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Thomas A. Edison Papers

A SELECTIVE MICROFILM EDITION

PART II
(1879–1886)

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1987

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Thomas A. Edison Papers
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Rutgers, The State University
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18 June 1981

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The original documents in this edition are from the archive at the Edison National Historic Site at West Orange, New Jersey.

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START

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THOMAS A. EDISON PAPERS

A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 70

DOCUMENT FILE SERIES (DOC-30)

D-83-057 through D-83-074
("Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Bellefonte" through "Telephone")

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Bellefonte (D-83-057)

This folder contains correspondence, reports, and other documents relating to the establishment of a local illuminating company in Bellefonte. Much of the correspondence is by P. B. Shaw, agent for the Edison Electric Light Company and the Edison Company for Isolated Lighting, and by James Harris, secretary of the Edison Electric Illuminating Company of Bellefonte.

All the documents have been filmed.

1883-07-05

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.
This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
240	Cs	V	McGill

Received at 652 BROADWAY.

Dated Bellefonte Pa July 5 1888.

To Saml Arnold 65 Fifth Ave

Arrived here tonight will finish Canvass in three days bush house

Dyer.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.
DIRECT WIRES.

Personal 1883-07-08

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Bellefonte ~~NEW YORK~~ July 8th 1883

Mr Samuel Insull:

Dear Sir:

I finished this day at one O'Clock copping out my last night's work. The Bellefonte canvass is completed. I have been just three days including Sunday.

At this rate I can do two towns of this size in a week.

This place is truly wonderful. It is not so large as Renovo in population by 1000 people; yet it supports two daily papers, three banks, an Opera House, a Christian Association & a gas Company; institutions which Renovo will not have in twenty years.

There are comparatively few houses that are no good considered from a lighting standpoint: and the proportion of first class dwellings is very large. These buildings are mostly granite or marble, and in a style of architecture that

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

2

1883-07-08

NEW YORK 188

can not be surpassed.

The Churches are magnificent stone & brick buildings & larger generally than those of Erie or Utica.

I will estimate the Churches to-night.

Two Electric Light Companies have been formed here, and both applied for a Charter on the same day.

In the probability of both Companies be Chartered, it will be "the survival of the fittest".

The other Company have opened negociations with the Brush people.

If they alone get their Charter they will simply kill the Electric Light business in Bellefonte.

The President of the gas Co is my brother of the President of the Local Edison Co & is a very peculiar man.

He uses no gas in his own house. And will use the Edison Light, if he thinks it better than his Oil Lamps.

He informed me that he

wanted to see the Edison light succeed in Bellefonte, at the same time he will war to the death.

Gas is $3 now, last year it was $3.50.

Some of the Stockholders think that the Station will be put 3/4 of a mile out of town & run by water power.

Reliable water power can be purchased cheaper about that distance from the town. I have been asked twice if it would not be economy to run conductors from a Station out of town, than to pay for Steam power in the centre of distribution.

Did Shaw call Mr Edisons attention to this?

There are Car Shops on one side of the town considerably removed from the bounding of the district I canvassed & large foundry on the other side about same

distance off. owned by Prest of Local Edison Co. neither of which I estimated.

The territory between town and the district is barren and mountainous.

Bellefonte is very hilly. Many of the streets are so steep that they can only be used by foot passengers. I dont know how I can give you an accurate idea of the grades, since there is not a foot of level ground in the town.

I was compelled to use a few sheets of legal cap paper to finish canvass on. The forms I have used are all gone.

Please forward the forms as soon as they are done.

My next town is Lockhaven. where I will arrive to-morrow noon.

Respectfully
Paul D. Dyer

1883-08-05

JOHN W. DUNKLEE, | Hotel Brunswick,
AMOS BARNES, | Boston,
T. W. ZIMMERMAN,
Proprietors.

RECEIVED
AUG 7 1883
ANSWERED
FILE No.....

Burnet House;

Cincinnati, Aug 5th 1883

Thos. A. Edison Esq.

Dear Sir

The Bellefonte Co. at a regular meeting held on the 3rd inst. voted the immediate installation of a 500. light plant. And ask for an itemized detailed estimate with the privilege of furnishing such items as they may be able to secure for a less sum than your Co. They fully understand that the light Co have standard engines & Boilers. &c. but they are under the impression that such items as poles &c. can be furnished more cheaply than you can do it. The Capital stock will all be subscribed by the present stock holders and I have taken much pains to impress upon them the necessity of meeting your terms promptly. Which will be done I hope you will give this estimate early attention and write me here Care A Stuart. Wilm

1883-08-05

JOHN W. DUNKLEE, AMOS BARNES, T. W. ZIMMERMAN, Proprietors. | Hotel Brunswick, Boston.

2 4

Burnet House,

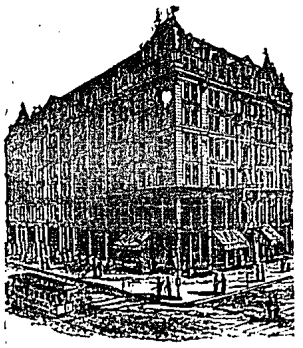
Cincinnati, Aug 5 188

you will be able to mail the same to me I hope you will be able to keep parties unacquainted with the Central Station system, from interviewing any of the Bellefonte Stock holders. One or two of the Subscribers will visit New York this week and will call at the office to learn the particulars of the Roselle plant. Please ask the Isolated department to refer these parties to you. As I do not want a repetition of Danville statements. Matsonburn is very slow but I think we will hatch an Industry

Very Truly Yours

P. B. Shaw

1883.08.12



PALACE HOTEL,

Cor. Sixth and Vine Streets,

Rates $2.50, $3.00 and $3.50.

D. C. SHEARS,
Late Rossin House, Toronto,
and Hotel Madison, Toledo, O.

Cincinnati, Aug 12 1883

Thos A Edison
New York City —

Dear Sir
Your message of 9th inst. received today please send Map of Bellefonte to my address Bush. ~~Hotel~~ House Bellefonte Pa. I will probably be there by the time the map is.

Very Truly Yours
P. B. Shaw

RECEIVED
AUG 15 188
ANSWERED

.....188...
FILE No.....

1883-08-13

PALACE HOTEL,

Cor. Sixth and Vine Streets,

Rates $2.50, $3.00 and $3.50.

D. C. SHEARS,
Late Rossin House, Toronto, and Hotel Madison, Toledo, O.

Cincinnati, Aug 13th 1883

RECEIVED
AUG 15 1883
ANSWERED

T. A. Edison.

Dear Sir 1883
FILE No.

Replying to yours of 10th inst, I have to say that I have requested Mr George Valentine President of the Bellefonte Co. to forward to you at once full description of location of lot for Central Station & have no doubt but you will hear from him by Wednesday or Thursday. Your suggestion as to the Capital being paid up is a good one and while it will cause a little delay in some

1883-08-13

PALACE HOTEL,

Cor. Sixth and Vine Streets,

Rates $2.50, $3.00 and $3.50.

D. C. SHEARS,
Late Rossin House, Toronto, and Hotel Madison, Toledo, O.

Cincinnati, 188

instances I think if we cannot accomplish it that the people ought to do without the light. The Sunbury & Shamokin experiment will I think be quite as valuable to me as to yourself. I am just in receipt of a letter from the President of the Renovo Co. in which he states that they want to get $20000 in their treasury and to go ahead & that the reports from Sunbury are such that these people are getting wild for the light. Truly yours R. B. Shaw

1883-08-19

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Aug 19th 1883

Thos. A. Edison

Dear Sir

On my return from the west I stopped off at Bellefonte and there learned that the descriptions of Central Station lots had been forwarded to you. These people are anxious to go a head but think they do not want to venture more than a plant of 600 lights to begin with. Will you please inform me what number you have estimated for, and if more than 500, what the probable cost of 500 lights will be together with such comments as you think proper to make for my use in presenting the Estimate. I will forward to you

2d

1883-08-19

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Aug 19th 1883

Descriptions of lots for Lock Haven & Renovo. this week, Can you not inform me when you submit a map the size of the proposed plant one of the first questions put by the local people when map is presented is how many lights for this locality. I anticipate much trouble in securing a proper location at Renovo. as every foot of available ground is covered and no room to spread so give me as much room as possible the location of lot for Williamsport will be mailed tomorrow Sure I have had nothing from Sunbury or Shamokin lately will you kindly inform me of the situations. and oblige

Very Truly Yours P. B. Shaw

Yonkers Aug 28th 1883-08-28

I enclose letter from Harris on the Bellefonte bolts.
I will return the Chart just as soon as I receive it from them

Truly yours
R. B. Adams

1883-09-01

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
Ner	Ld	Cm	8 pd 340

Received at 852 BROADWAY.

Dated Bellefonte Pa Sept 1 1888.

To Thos. A. Edison

65 - 5 one

Plans forwarded by adams today where next answer

J. R. Campbell

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-05

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
284	Cv	R	10 paid

Received at 352 BROADWAY.

Dated Bellefonte Pa Sept 5 1888.

To T. A. Edison

65 - 5 1/2 Pm

Permission granted at Central Station letter & plan by express

J. R. Campbell

This telegram has just been received at the office in 352 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-11

Bellefonte, Pa. October 11th 1883

Mr P B Shaw.

Dr Sir. I am instructed by our company to call your attention to Resolution passed at meeting of the Board held aug 3d 1883 (a copy of which is enclosed) and to say that in thier estimation it would be impossible at present to install a larger plant than is contemplated in that resolution referred to. And it is thier desire that you furnish an estimate for Five hundred light Plant and send us copy of Promoters Contract as agreed by you at the meeting held aug 3rd 1883 upon receipt of which action will be taken as to what shall be done in the premises

Yours James James Harris Secy
of Edison Electric Illuminating Co
of Bellefonte

[ENCLOSURE]

Copy of Resolution 1883-10-11

At a meeting of the Board of Directors The Edison Electric Illuminating Co of Bellefonte Pa held Aug 3rd 1883 in office of Attorney Esq. On motion it was Resolved to adopt Five hundred light Plant and asked Mr Shaw to send us copy of Promoters Contract and also Estimate of cost of Plant adj. to meet at call of President

James Harris Secy

[ENCLOSURE]

Mr King

Please see how many lights the Bellefonte proposed installation covers in estimate and then see Short time ago - Make 500 light estimate & let me know to what extent district will have to be cut down -

Yate

Oct 17/83

1883-11-02

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK, 2nd November 1883.

Bellefonte - Determination. -

On account of the bad position of the Central Station lot, each lamp average, 9th of Copper. - I wd suggest that in sending in Estimate, it wd be mentioned that a Central Station, within circle marked in red on accompanying map, wd entail expenses to a great extent. -

In case the lot cannot be changed, I wd further suggest that 10% drop be allowed at feeders; this wd demand more pressure & cause a greater loss but wd reduce weight of Copper by 1/3. - It would of course take more Coal to run engine, & this wd cost dearer in the end, but it wd cheapen first installation. -

N. Funnarelli

1883-11-05

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NOV 5 1883

ANSWER REQUIRED

NUMBER	SENT BY	REC'D BY	CHECK
179	Ch	Em	1x Pd

nov 5 1883

FILE NO.

Received at 852 BROADWAY. Nov. 5 1888.

Dated Williamsport Pa

To Thos A. Edison

65 5 Ave

Bellefonte Estimate received
Can you approximate the additional
Cost for eight hundred lights
and wire me today P. B. Shaw.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-17

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
185	Cu	Cm	1x Pd

Received at 852 BROADWAY. Nov 17 1888.

Dated Bellefonte Pa

To Thos A. Edison

65 - 5 Ave

Closed bellefonte Contract today
Will send you signed Copies
With draft by tonights mail
P. B. Shaw

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-16

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
572	Dwy	18 Pd	

Received at 852 BROADWAY.

Dated Williamsport Pa Nov 17 1888.

To Thomas A Edison

65= 5 Ave

Bellefont addops eight hundred eight plant based on five hundred estimate two thousand three hundred & ten adds

P B Shaw

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-19

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

R. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Nov 19th 1883

Thomas A Edison
New York City

Answ'd

Dear Sir

Enclosed herewith please find two Contracts signed by the Bellefonte Company for the erection of an 800. 16 C.P. light plant the manner in which I obtain the Contract price of $16597.27 is by taking your estimate of 600. light adding to the sum the amount you would charge 2310. for the 600 lights. the Company cut out a number of small items of your estimate amounting in all to a little over $400.00 as unnecessary for you to furnish. as they could purchase the same cheaply as you. I only recall a few of the items. Office furniture Barrum fills 7-2"

(1883)

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

R. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., 188

I had a copy of the estimate with each item marked out and intended to return it to you with the contracts but in my haste to leave Bellefonte to make a train I left it on the secretary's desk I have written him for it and will forward it to you as soon as I receive it. I make no discount on anything and you have the entire work with no possible chance of accruing them of holding you back the draft I enclose you with this is for 25 per centum of the amount of stock they have taken before the gas light plant was decided upon and I gave them a receipt on account the balance of your 25 per centum on the contract price will be paid by the time

the draft is payable. My reason for accepting 10 day sight drafts is that they have to collect an assessment before they can pay you your money and as I do not suppose you want to pay any one to wait until the collections are made I take the drafts. Please let me hear from you in the matter of commissions for making that contract and also to know if you wish me to continue the work after you have signed the enclosed contracts please return one to the territory with an estimate maps & a" of the gov light plant you will have received the one with the items mailed off from me by tuesday or wednesday.

Very truly yours

R B Shaw

1883-11-20

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
104	lw	lm	10 PM	

Received at 854 BROADWAY. Nov 20 1883

Dated Williamsport Pa

To Thos. A. Edison

65 - 5 ave

Copy of bellyonte Estimate goes forward by this noons mail

P. B. Shaw

This telegram has just been received at the office in 854 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-20

James Harris. James H. Potter.

James Harris & Co

Hardware.

Bellefonte, Pa. Nov 20th 1883

Thomas A Edison Esq

Dr Sir When our application was made for Charter of Edison Electric Illuminating Co of Bellefonte the stockholders signed a contract called Promoters Contract wh was presented by Mr Storey who assured us that a copy of same would be returned to us at once. Several months have elapsed and it is not rec^d and some stockholders now refuse to pay upon stock, until this is rec^d Please send it at once that we may not be detained in collecting the assessment Yours Jas Harris Secy

1883-11-20

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Nov 20th 1883

Thomas A Edison
New York City

Dear Sir

I enclose herewith copy of the Bellefonte Gas light Estimate with the items that they propose to furnish themselves left out. I expected to hear from you this morning hope you will write me on receipt of this as I expect to go west this week.

Very truly yours
P. B. Shaw

1883-11-21

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. Nov 21st 1883

Thos. A Edison Esq

Dr Sir- Today I send in mail sketch of ground plan for Central Station in this place. according to our ideas of the best use of our space & location. You will notice that this plan contemplates an 8 ft alley, on our own ground, at western side of lot. at a meeting of Directors held last night a majority

1883-11-21

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. _____ 188

or in fact all favored a brick building and are of the opinion that it can be put up at about same cost as in your estimate, for the 500 light plant; or for 800 light plant at the proportionate increase. On inquiring today I find our masons & bricklayers ready to agree to put up the building at once and no doubt they can put it up as quickly as the

1883-11-21

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. _____ 188

Wooden building could be erected. We send this diagram and make these suggestions in the hope that they may facilitate the enterprise and with a view to a permanent and fireproof building

Yours Jas Harris
Secy

By order of Board

1883-11-21

James Harris. James H. Potter.

This just received
W B S

James Harris & Co.

Hardware.

Bellefonte, Pa. Nov 21st 1883

Mr W B Shaw

Dr Sir — Items cut out of Estimate for 500 Lamp Station

inc Tubular Barrow & 2 shovels	18.50
Boiler Ladder	5.00
Vise with Pipe Nips	13.30
Six Files 3.00 2 screwdrivers 2.40	5.40
1 Mach. Hammer 12.5 2 cold chisels 1.20	2.45
2 Screw Drivers	.90
~~2 Thermometers~~ 1 Thermometer	.92
4/5 of 100 Temporary fixtures Sockets & shades	144.90
Special forms & Stationery	57.50
Office Furniture	55.20
Supplies for 20 days Coal	11.50
Cotton Waste	9.20
250 Lamps 10 Candle Power Each	150.00
	$ 474.77

a number of other items are marked as being susceptible of reduction but the above are those marked off and leave the 500 Light Estimate 14286.83
to wh add as per telegram 2310.
16596.83

Have written Mr Edison about building of Brick

Yours Jas Harris Secy

Nov 68
21.

In re. 1 articles
cut out of Bellefonte
Estimate

Copy Bill
Wm Reed Foster
Clerk Ctny
Dec 1868
Wm Mitchell

1883-11-22

Mr. Tate,

Bellefonte assignment to the Ansonia Co. is dated 20th. November, and is for 12½ per cent of the amount of our contract with the Bellefonte Co.

S. Insull,

Nov. 22nd. 1883. per G.

1883 11-22 Form 2.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Safety Cutouts.

New York, 23rd November 1883.

Bellefonte. Pa.

		Number of Safety Cutouts.	Size of feeder or Main in B. W. G.
At feeder 1/	for feeder 1.	3	# 00
	" Main 1-F.	3 each	105.000 Cir.
	" " 1-2	3	# 0
At feeder 2/	for feeder 2.	3	# 1
	" Main 2-1	3 each	# 0
	" " 2-E	3	# 6
	" " 2-G	3	# 10
Between H-J	for Mains 1-2.	3	# 0
		24	

for Pure wire -
3 at foot of each feeder 6.
Total number of Safety Cutouts 30 "

Order 448
Nov 23/83

Form No. 1.

1883-11-24

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

RECEIVED NOV 24 1883

ANSWERED Nov 24 1883

NUMBER	SENT BY	REC'D BY
82	Co	h 33 Pd

Received at **852 BROADWAY.**

FILE No. 1800 24 1888.

Dated Bellefonte Pa 24

To Thos A Edison NY

How much does the revised estimate reduce the approximate estimate for eight hundred light plant with frame buildings You say in letter twenty second inst Several hundred dollars how many Send revised estimate

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

James Harris Jr

[TO SAMUEL INSULL]

Lamps.

Sam'l Insull Esq Bellefonte Pa Nov 30/83

Dr Sir. Before shipping Lamps in order of this date Please send us List of prices on the different Candle Powers if there is any difference so that we can tell what to order & what to advise the people to use

Yours Jas Harris Secy
E. E. Ill Co of Bellefonte

JAMES HARRIS. Lamps! JAMES H. POTTER. 1880-11-30

JAMES HARRIS & CO.,

DEALERS IN

Hardware, Iron, Steel, Nails and Cutlery,

OILS, GLASS, PAINTS, VARNISHES, BRUSHES, &c.,

Bellefonte, Pa., Nov 30th 1880.

Mr Samuel Insull -

Dear Sir - Please send to The Edison Electric Illuminating Co of Bellefonte - 250 Lamps of (10) Few Candle power - Ship by R. M. R. R. Yours &c

James Harris Secy

P.S. We may want a few Secy of higher power and you might hold the order - a few days until that is determined Yours &c

Later say you make it thus

200 Lamps 10 Candle Power
30 do 16 " do
10 do 32 " do
5 Lamps & 50 & 100 " do There

Latter two we would leave to your discretion

Yours Jas Harris Secy

1883-12-02

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

RECEIVED DEC 5 1883 ANSWERED

NUMBER	SENT BY	REC'D BY	CHECK
389	A B	CM	20 Pd

Dec 5 1883

FILE No. 55

Dec 4 1883.

Received at 852 BROADWAY.

Dated Bellefonte Pa

To Thos. A. Edison

65 - 5 ave

Asbestos roofing is a failure in this climate the sun-bury roof leaks already our company prefer shingles iron or tin

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Jas. Harrison Secy.

1883-12-04

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
553	S	JY	14 Pd

Dec 4 1883.

Received at 852 BROADWAY.

Dated Bellefonte Pa 4

To Thos A Edison

65 - 5 Ave

Two car loads machinery here no one to receive it no plans for buildings

J S Harris Secy

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

JAMES HARRIS. 1883-12-07 JAMES H. POTTER.

JAMES HARRIS & CO.,

DEALERS IN

Hardware, Iron, Steel, Nails and Cutlery,

OILS, GLASS, PAINTS, VARNISHES, BRUSHES, &c.,

Bellefonte, Pa., Dec 7th 1883.

Thos. A. Edison Esq.

Dr Sir. Our experience here is altogether against asbestos roofing. It does not suit this climate and has proved a failure in every case in which it has been used here. We know from experience that shingle tron or tin roofs are more durable and not much if any more expensive - at least the shingle roof is not; and we much prefer its adoption as this building, and plant are designed to be permanent, and respectable in appearance.

James H. Harris Secy

1883-12-07

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. Dec 7th 1883

Mr Saml Insull

Dr Sir Please cancel order for Lamps and send us as follows. 200 Lamps - 10 candle Power - 25 " - 16 "
" - 15 " - 32 "
" - 6 " - 50 "
" - 6 " " 100 "
"

By order of Co Jas Harris Secy

Edison Electric Light Co

(474) W 28 W 8 83

1883-12-14

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. Dec 14th 1883

Mr Thos A Edison.

Dr Sir. Our building being ready for machinery, and poles about ready for delivery, we wish to have a good man, to begin at once to wire the buildings now waiting the light, and must you will send one who will do good neat work, and send him at once. He should be able to instruct a man here who can take charge of this work when he leaves. This work being

1883-12-14

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. _____ 1885

done at same time as the setting of Poles & putting up of mains we can soon begin to supply light, and time is now important to us, not only for the income of long nights, but that also the superiority of the Edison Light may be the sooner demonstrated and our foothold secured. Please send a good Competent man who has had Experience

Hurry up Lamps over

Yours James Harris Sons

We think we will need
more 10 candle Lamps
and we hope to get in
500 Lights in a short
time

Form No. 1.

1883-12-18

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
153	Coh		1884	1139

Received at **852 BROADWAY.**

Dated Bellefonte Pa Dec 15 1883.

To Thos A Edison 65 5 ave

Where is rich Cannot hear from him building ready last week shall we place machinery and boiler ourselves.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

James Harris Secy.

1883-12-18

James Harris. James H. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. Dec 18th 1883

Thos A Edison Esq.

Dear Sir

Telegraphed you today. Mr Rich seems lost to us. Our building has been ready for machinery several days and no men here to put it in. the season late and weather uncertain We think it very unwise to lose time now and without advices shall proceed to put in machinery & boilers with machinists here. Will start foundations for the Engine & Dynamos tomorrow

Yours Jas Harris & Co.

[TO C. H. CAMPBELL]

1883-12-19

Mr. Campbell,

Have you prepared all this information for Hibler in relation to Bellefonte, which is the next point he attacks.

A. O. Tate,

December 19th, 1883. per G.

B

1883-12-27

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
437	Mo	Dy	3 4 Pd

Received at 854 BROADWAY.

Dated Bellefonte Pa 27 Dec 27 1883

To Thos A Edison 65 5 Ave

Working plan received wire do not extend to Linn and Curtin St as agreed with Mr Shaw when we ordered eight hundred lights plant must reach these street Kindly please order extension at once Jas Harris

This telegram has just been received at the office in 854 BROADWAY, just below Fourteenth Street, where any reply should be sent.
DIRECT WIRES.

1883-12-28

34 H

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
476p	Mr	Dy	7 Collect

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, Dec 28 1883

Dated Bellefonte Pa 28

To Thos A Edison 65 5 ave

NY

Please answer our telegram of yesterday

James Harris Secy

1883-12-31

James Harris. James H. Potter.

James Harris & Co.

1

Hardware.

Bellefonte, Pa. Dec 31st 1883

Thomas A Edison Esq
Dear Sir We wrote you Dec 14th urging upon you the importance of sending at once a good man to begin wiring buildings into which our light is to be introduced. We have suffered so many delays since our building has been ready that our Co have almost lost patience and they wished me to wire you to have the wiring man sent on at once, but as this is an off day in your

1883-12-31

James Harris. James H. Potter.

James Harris & Co.

2

Hardware.

Bellefonte, Pa. _____ 188

city I have preferred to write. Would like to make you feel our anxiety to have this work go on at once, so that the Gas Co cannot forestall us, as they have already done in some cases, since their reduction from 3 to 2$ per M. Time is passing and the work here has gone on so by piecemeal that the prospect for an early start is very gloomy indeed. We trust you will

1883-12-31

James Harris. James H. Potter.

James Harris & Co.

3

Hardware.

Bellefonte, Pa. _____ 188

lose no time in sending us a good man to introduce the wires & lamps &c into the buildings now waiting this service. We ordered 250 lamps sometime since and would like to see them here at once. Please have sent to us at once 200 more Lamps of ten (10) candle power and hurry these and former order on at once

Yours

Jas Harris Pres.

by order of Board

E. E. H. Co of B

1883-12-31

James Harris. James B. Potter.

James Harris & Co.

Hardware. C

Bellefonte, Pa. Dec 31st 1883

Mr Thos A Edison

Dr Sir When will our Lamps come and when will the man come to do the introducing of wires into houses. We wish to get along so as to be able to use the long nights as much as possible. Let us have all things necessary at once

Yours Jas Harris Sec'y

1883-12-31.

James Harris. James B. Potter.

James Harris & Co.

Hardware.

Bellefonte, Pa. Dec 31st 1883

Mr Saml Insull

Dr Sir Today we have ordered in a letter to Thos A Edison 200 more 10 Candle Power Lamps You may remember that we sent you some time ago an order for 250 Lamps of different power and these are in addition. We trust all will be shipped at once as we want them now

Yours Jas Harris & Co

1883-12-31

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Dec. 31, 1883

Mr. Thomas A. Edison,
#65 Fifth avenue, N.Y. City

Dear Sir:- Mr. W. R. Jenkins, one of the directors of the Bellefonte Company has just called at my office making inquiry in relation to the locations of the mains of their plant. It seems that you have omitted on your plans Curtin and Linn streets. These are important streets and should by all means be covered. He further states that they have not been furnished with duplicate maps of the extension of the plant from the 500 to the 800 lights, and that it was distinctly understood with me that these streets were to be covered, hence the cause of their calling on me in the matter. I beg to state in this matter ~~that~~ the time I closed the contract with the Bellefonte people, and increased the capacity from 500 to 800 lights, I stated to them that they should control the location of the extension and I am surprised to learn that they have not been consulted in the matter. Much complaint is also offered in relation to the work and mattention on the part of the construction company. As to the erection of the buildings, etc., they state that there has

1883-12-31

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

2

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., 188

been no plans and no one to superintend the erection of the buildings and practically the treasurer of the company has taken entire charge of the erection of the buildings. This seems very strange after the many assertions of the construction department of their ability and capacity to proceed to this matter in a business like manner. I am greatly annoyed with these complaints coming in as they do from every quarter, with the exception, I think, of Hazelton. Will you please advise the treasurer of that company as to the location of these mains, and such other matters as they are entitled to know, and also advise me of the situation and the probable time that you will turn on the light.

Very truly yours,

P. B. Shaw

R—

[MEMORANDUM BY C. H. CAMPBELL]

Bellefonte Pa

1 - 82 HP Boiler

1 - 9½ x 12 Engine with 47" pulleys to run 286 per min

2 Y Dynamos with 12" pulleys (300-16 cp)

Campbell

452.4 by 4

1809.76

~~4 | 1700.00~~

~~425-13~~

~~4~~

~~1700-13~~

Material for Pole Line

Bellefonte Pa

75 Poles 41'-0" total length 6" top

120 Cross Arms

429 { 400 Insulators
450 Pins
300 Lag screws 3/4" pins

4?? { ✓ 27 Main Safety Catches
✓ 6 parallel safety Catches
✓ 50 lbs #16 or 14 Copper wire

Billefonte Pa

2200 lbs #0 B.W.G. Copper
300 lbs #6 B.W.G. "
150 " #10 B.W.G. "
1200 " 325/1000 dia "

3000 lbs 419/1000 dia

1400 lbs 321/1000 dia

600 lbs #12 Iron Wire Guard

100 lbs " 9 Copper B.W.G.

Campbell

Pipe for Bellefonte Pa

✓ One length 3" Pipe — 16'-0" Long
✓ " " 3" " 9'-6" "
✓ " " 3½ " 25'-0" "
✓ " " 3½ " 8'-3" "

✓ 2 — 3" Elbows
✓ 1 — 3" Chapman Gate Valve

✓ 2 — 3½ Elbows
✓ 1 — 3½" Tee with 2½" Branch
✓ 1 — 3½" Chapman Gate Valve

Campbell

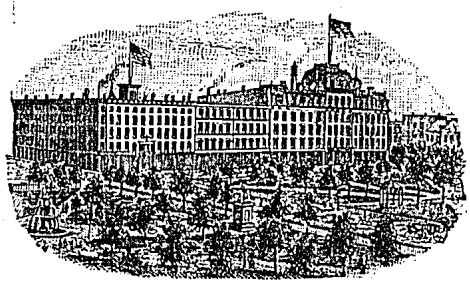
567
1134

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Erie (D-83-058)

This folder contains correspondence relating to the canvassing of Erie and the attempt to establish a central station. Much of the correspondence is by Paul D. Dyer, canvasser; and by Henry A. Clark, agent for the Edison Company for Isolated Lighting.

All the documents have been filmed.

1883-06-17



FINEST SUMMER RESORT IN AMERICA.

REED HOUSE

ERIE, PENN.

F. H. ELLSWORTH, Prop'r.

Erie, Pa., June 17 188 3

Mr Farrell:

I arrived in Erie this morning at 2 o'c after fourteen hours travel.

This house being the only one open I came here: but as the dining room is undergoing repairs, I could get no breakfast.

I have searched Erie two hours in vain for a restaurant.

As I think the rates rather steep here 2.50 per day I will spend this afternoon in searching for a boarding house & familiarizing myself with the streets.

I had to pay $2 a day in Utica, and at one of the cheapest hotels within reach of my work. I hope this price don't strike you as extravagant: for in most small towns there is no house on the European plan & 2 dollars is about the cheapest American plan house.

I will hunt up Clarke to-morrow & go right at work; and with the experience I have already I will do this place up in better

slips and less labor to myself.

This wont be as good a place for a Central Station Plant as Utica; apparently there is but one street built up solid in Erie; and the buildings on this street are of an inferior order.

The blocks in the business section are very long; which would make the out-lay in underground conductors large, compared with an area in Utica consuming the same light.

A letter will reach me directed to Reed House until I send another address.

I send in my expense acct up to and including the 16th of month.

Yours Respectfully
Paul D. Dyer

P.S. Please send more blank books.

44.

June 17 1893
Paul D. Dyer
Stating he has
Printed in Erie's

Reply

1823-06-19

June 19th. 3

Paul D. Dyer, Esq.

Arcade Hotel, 729 State Street,

Erie, Pa.

Dear Sir:-

I am in receipt of your favor of the 17th, and in reply beg to state that you have misunderstood the arrangements as to your expenses. You are to be allowed $2,50 per day to cover your hotel expenses, and if it cost you less, the difference is yours, and if it cost you more you have to pay it. For 9 1/2 days expenses you would be allowed $23,75, you have charged me $20,00 for your living expenses during this period, so that you are entitled to a credit of $2,95 on this account, which makes your account against us up to the 16th. June $42,60 instead of $39,65 as rendered by you. I enclose you herewith a check for $50. which I presume you can get cashed somewhere in Erie. Mr. Clarke can no doubt arrange it for you. I have sent you by express to-day one dozen blank books which I think will suit your purpose a good deal better than those you took away from here in the first place.

Very truly yours,

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
116	Co	Dy	10 Pd	1025

Received at 791 BROADWAY.

Dated Erie Pa 18 June 18 1883

To Mr Saml Insull

No 65 — 5 ave

My address arcade hotel seven twenty nine State St Erie

Dyer

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-18

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
117	hjn	2 yd		130p

Received at 852 BROADWAY.

Dated Erie Pa 18 June 18 1883.

To Saml Insull 65 fifth ave

get Johnson to have small map sealed down from atlas map small city map not down on scale will write today

Dyer

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-19

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. June 19 1883

Mr Insull:

From my last nights work, I find that by almost super-human efforts I can canvass four blocks or sixteen block faces a night - I will canvass about 36 blocks - That will take me 9 days: Allowing one day for final information, getting maps fixed &c I will finish in 10 days & be off to Renovo Pa.

The blocks are long & with the exception of a few blocks on State Street are not built up solid.

I think the conductors will have to be run on poles finally: the people not being very enthusiastic over Electric Lighting generally, & most damnably close.

Mr Clarke is absent in Pittsburgh; but I recd all the information he desired me to have from Mr McCreary.

1883-06-19

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. 188

Baxter, who made the former canvass for Mr Clarke, took 17 days - 12 hrs per day in going over the ground. I am in posession of his canvass: if you would like it to compare with mine I will send it. I notice in the ground I went over last night, we differ materially in several instances.

Suppose there is no map of Erie drawn on a scale in existance, what am I to do?

Please send more blank books.

Respect-fully
P. D. Dyer.

1883-06-21

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. June 21 1883

Mr Insull:

Dear Sir:

I rec'd your favor and package of blank books yesterday,

I made a famous good run last night & night before; and if I have equally good luck to-night I will finish that section of the town which consumes the most light.

The part than remaining to be done will contain a much greater area, but will be small when compared with amt of light consumed.

I am rapidly reducing it to a science. My after-noon round takes about four hours - when I get all the information I want about all the houses, so at night I have nothing to do but jot down the number of lights on a rapid tour around the beat.

I know before I start out what houses close at six, which are the Saturday night-

1883-06-21

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. 188

houses &c. On my Saturday night inspection I can verify the estimates I already have on these houses.

I don't think Erie has been properly worked up. I have met leading merchants who do not know the difference betwn an incandescent & an Arc light & who think the Stearns & Co's plant a Brush plant.

The Cashier of a leading bank in Erie, is willing to become one of five to install a sixty light plant in a hotel, commanding a good view of the harbor. He has never heard of the Edison Agent.

I have heard of several things that would lead one to suppose the matter has not been thoroughly talked up. This is confidential.

The Saloons generally can be reckoned on as consumers from the first.

The Saloon I am putting up at, the

1882-06-21

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, 3 - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. 188

largest & best managed in Erie, will avail itself of the System, or in case that is not brought about here, will have an Electric plant of its own before two years.

The Opera House is the only other bldg I know of that could be gambled on as a consumer from the start.

I never hear of the gentlemen who will in all probability form the Local Company.

I have called on a Mr Seldon, whom I know is interested in the movement, to see if he had any suggestions, or would like to know my method of work; but have failed to catch him at his place of business.

Mr Clarke has not yet returned to town. If he does not by Saturday morning I will write to him & see if he has anything to say about the Rockwood canvass.

Yours Very Respty
Paul B. Dyer.

1883-06-22

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Ga. June 22d 1883

Samuel Insull Esq:
#65 - 5th Ave.
N. Y. City:

Dear Sir:

Mr Clarke arrived in town yesterday night & we spent two hours in mapping out the district definitely.

It is the same substantially as I had selected. It is nearly square with the exception of a few blocks I have extended beyond the line in order to take in the Depot principally.

The Depot in my estimation is very important.

Mr W. L. Scott is a director of all the roads that run through here and he is also the leading spirit of the Local Company.

The heaviest consumption of light

1883-06-22

ARCADE HOTEL,

No. 729 State Street.

NEUBAUER & GEIB, - - PROPRIETORS.

SPECIAL ACCOMMODATIONS
AND SAMPLE ROOMS FOR COMMERCIAL MEN.

Erie, Pa. 188

will be on one street, running nearly in the Centre of dist; outside of this st, on either side the distribution will be very even. The Residences are about the same number to a block & consequently about the same distance apart.

I have seen no vacant lots in the resident section, so a computation based on number & Class of residences now, will be good always.

Have procured a map drawn on a scale. The scale is 1000 ft to the inch. but it is the only one in Erie.

The City Engineer says it can be relied upon for measurements as accurate.

I will finish one day sooner than I anticipated.

Very Respectfully
Paul. D. Tyler.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
34	Co	Dyer	907

Received at ~~791~~ 952 BROADWAY. June 27 1880 3

Dated Erie Pa 27

To T. A. Edison

No 65 - 5 ak

Leave for Renova at ten thirty all papers Expressed

Dyer

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-25

Erie Pa.
July 25th '83,

Mr. Saml. Insull
Dr. Sir:

I think it would be well to make estimates for the Erie plant for underground and overground conductors. Probably pole lines will be used but estimates for both would be convenient. Please you give me an approximate date when estimates will be ready!

Very truly yours
Henry C. Clark

Cm D

1883-08-16

The Edison Company for Isolated Lighting.

AGENCY FOR

Maryland, Western Pennsylvania and District of Columbia,

No. 8 Hoen Building, Lexington Street.

Baltimore, Md. Aug. 16th 1883.

Mr. Samuel Insull

Dear Sir,

Your favor of the 14th inst I received last night on my return to the city. I have written to parties in Erie to find Mr. Campbell.

A letter from Erie informs me that unless the estimates are in the hands of the Erie Co. before Sept 1st '83 that they will withdraw or move to that effect so far as we are concerned. You are aware of the long delay. I am inclined to believe the whole Erie business will go by the board at the date mentioned unless you can get the statement out prior to that time. Can you do it?

I am informed Mr. Bell of Washington intended starting for N. Y. last night.

Very truly yours
Henry A. Clark.

1883-08-24

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
734	Cok	12	2.46 pm

Received at ~~791 BROADWAY~~ 832 BROADWAY, Aug 29 1882.

Dated, Erie Pa 29

To T. A. Edison 65 Fifth ave

Have you sent estimate if so when and to who answer.

J. R. Campbell.

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-08-29

Form No. 64.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within thirty days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
381	As	Sg	10 Coll

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, Aug 29 1883

Dated Erie Pa 29

To T. A. Edison

Construction Dept 65 ave 5 ny

Telegram of 25 monday not rec'd

go to Bellefonte Ontario

J. R. Campbell

Form No. 1.

1883-09-07

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
707	unw	10 Pd	10 c

Received at 852 BROADWAY.

Dated Erie Pa Sept 7 1883.

To Thos A Edison

65 5 Ave

Are Erie estimates coming direct here to me answer important

Henry A Clark

ANSWERED Sept 7 1883

FILE No.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-09-24

Insull - You can answer these questions

Erie, Penna.
Sept. 24th 1883.
704 State St.

Mr. Thos. A. Edison,
Dear Sir,

I write to Major Eaton to learn how much of your offer we could reject and how much accept. He telegraphs to consult you at Shamokin.

Must the local Co. here accept entire your offer or can we eliminate all but the electrical apparatus proper and let that stand at present bid?

With some such latitude I can push the matter through, without it I will fail. We have a meeting as soon as we hear from you and an answer is very desirable at once. Wish you could telegraph and then supplement by letter.

A letter from Mr. A. J. Dull informs me he is waiting notification of your appearance in Shamokin for the purpose of turning on the light. He then expects to go to

1883-09-24

Shamokin and return with you to Harrisburg. He has two or three cities in view for the location of a central station and wishes to consult with you before buying. Can you inform him of your whereabouts? I think your trip to Harrisburg would go far toward closing things there. If you would also kindly notify me when you would probably reach Harrisburg I should like to meet you there.

I am anxious to hear from you on the Erie matter. Give us all the limit you can, or leave it to my judgment to act as circumstances dictate.

Very truly yours,
Henry A. Clark.

Care Gen. D. B. McCreary,
Erie, Pa.

1883-09-25

Blank No. 2.

PHILADELPHIA, READING AND POTTSVILLE TELEGRAPH COMPANY.

CONNECTING WITH THE WESTERN UNION TELEGRAPH COMPANY,

TO ALL PARTS OF THE WORLD.

This Company transmits and delivers telegrams only on conditions limiting its liability which have been assented to by the sender of the following telegram.

Errors can be guarded against only by repeating a telegram back to the originating office for comparison, and this Company will not hold itself liable for errors or delays in the transmission or delivery of UNREPEATED TELEGRAMS. This telegram is UNREPEATED, and is delivered by request of the sender under the above named conditions.

FRANKLIN B. GOWEN, President, PHILADELPHIA. | O. W. STAGER, Superintendent, READING, PA.

No. and Office Signal.	Check.	Sent by	Received by	Time Received.
3 PO.	11 Pd.	WD		11 50 a M.

From Orange Pa 9/25 1883

To Thos A Edison

Wiewns

Can you come to attend meeting some night this week answer.

Henry A Clark

1883-10-01

FILE NO.

Erie, Penna.
Oct. 1st 1883.

Mr. Thos. A. Edison

Dear Sir:

Your favors of the 26th and 27th rec'd received. I first wrote to Major Eaton because I knew the result would be the same. He telegraphed me to write you at Shamokin, Pa. hence I directed there instead of to you at N.Y. I appreciate the Shamokin difficulty and will try to obviate it in Erie.
To make assurance doubly sure the parties here are canvassing for subscribers and are doing very well. When could the work begin and be ended if the contract were signed this month.

Yours very truly
Henry A. Clark.

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Mt. Carmel (D-83-059)

This folder contains correspondence and other documents relating to the establishment of a local illuminating company and to the construction of a central station at Mt. Carmel. Much of the correspondence is by P. B. Shaw, agent for the Edison Electric Light Company and the Edison Company for Isolated Lighting, and by William Schwenk, president of the Edison Electric Illuminating Company of Mt. Carmel.

All the documents have been filmed.

1883-10-18

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Oct 18 1883

Thos A Edison
New York City.

PBS

Dear Sir

Your letter of 17th inst came to hand this evening. I had wired you about noon for the information contained in your letter. for the reason I expected to go out of town at 3 P.M. and I wanted to write the Mt. Cornel people when they could expect the conversion. Your letter is very satisfactory. and I am very confident that both Hazleton & Mount Cornel will be ready with the cash the moment you are ready with the estimates. Mt Cornel in my judgment is a very poor town to light. that is for dividends but as they invest all the money we can stand it I judge I am pushing the Wmsport Co. all in my power & hope to be able to close in a short time

Truly yours
P. B. Shaw

1883-10-20

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Oct 20th 1883.

Thos A Edison
New York City

Dear Sir

I hand you herewith two letters received today from William Schwink & McCormick Pa. they will explain themselves will you please give me your idea of going straight ahead. I would like to keep up the boom and active operations will do the business I think. I think I shall be in New York for about four hours Early next week

Please return the enclosed letters

Very truly yours

P. B. Shaw

1883-11-06.

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Nov 6th 1883

Thos A Edison
New York City.

Dear Sir

Enclosed please find letter from Wm McCormick Prest. of the Mt Carmel Co. their first assessment was for 25 per centum so that as soon as we get the estimates if they accept it they will have the cash to pay down. I go to Bellefonte today. let me hear from the Hazleton & Mt Carmel plants earliest possible moment.

Please return the enclosed letter

Very truly yours
C B Shaw

Form No. 1.

1883-11-13

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
330	Con	W	22 Paid	

Received at **852 BROADWAY.** Nov 13 1888.

Dated Mount Carmel Ca 13

To Thos Edison 65 Fifth Ave

Can you meet president & treasurer Mount Carmel Co at your office ten tonight to close Contract answer Quick want to catch train

J B Shaw

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-13

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
392	Uv	W	10 Paid	349

Received at **852 BROADWAY.** Nov 13 1888.

Dated Mt Carmel Pa 13

To Thos A Edison

62 - 5 ave

President Treasurer & myself will meet you ten tonight sure.

J B Shaw.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-15

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
101	Co	K	3 PM	1034

Received at 852 BROADWAY.

Dated Mt Carmel Pa 15 Nov 1888.

To Thos A Edison

The Man that can furnish poles lives five Miles out from town Give me prices for thirty & thirty six feet poles delivered and I will make best bargain I can

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Wm Schevenk

1883-11-15

WM. SCHWENK, GEO. ROBERTSON, J. GEISE.

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black ◇ Diamond ◇ Colliery ◇ Coal,

Mt. Carmel, Pa., Nov 15th 1883

Thos. A. Edison Esq

Dear Sir

I wired you to day to get the maximum price for 30 & 36 foot poles so that I could have a price to go by and at the same time protect for the lowest figures. The parties are about 5 miles from here and no telegraph station within that distance please wire me the price and I will do the best for you

Very Respectfully yours
Wm Schwenk

1883-11-16

WM. SCHWENK, GEO. ROBERTSON, J. GEISE.

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black ◇ Diamond ◇ Colliery ◇ Coal,

Mt. Carmel, Pa., Nov 16th 1883

Thos A. Edison Esq

Dear Sir

Your telegram rec'd, I will see the parties to morrow and see what they can furnish them for

Yours Truly
Wm Schwenk

1883-11-17

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
393	W	W	19 Paid

Received at 852 BROADWAY.

Dated Mt Carmel Pa 17 Nov 17 1883.

To Thos A Edison

60 Fifth Ave

Thirty five foot Poles three dollars thirty foot two fifty Delivered twenty days if ordered at once answer quick Lonschwenk

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883 11-23

Form I.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Safety Catches.

New York, 23rd November 1883.

Mount Carmel Pa.

		Number of Safety Catches.	Size of feeder or main in B.W.G.
At Feeder 1.	For feeder 1	3	# 00
	" Main 1-E-D-C	9	# 0
	" " 1-A-A'	9	# 2
		21	
For Defective Wire.			
3 at foot of feeder		3	
Total Number of Safety Catches		24	

Order 447
Nov 23/83

Wm. Schwenk, Geo. Robertson, J. Geise.

1883-11-26

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black ◇ Diamond ◇ Colliery ◇ Coal,

Mt. Carmel, Pa., Nov 26th 1883

No - your Co

Thos. A. Edison Esq

Dear Sir

Permit not decided yet
Public about writing
Would it be advisable we will arrange it
Edison

for us to wire our business places now while the plant is going up so that we would be ready by the time the plant would be completed and start out full blast. if advisable please give us all the information you can how to go about it. all the machinery is here the foundation complete we are waiting for the lumber Mr Rich was here to day a week. we do not know his whereabouts now. hope when he returns the lumber will be here

yours &c
Wm Schwenk

1883-11-27.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
426	M	VM	1 Paid

RECEIVED NOV 27 1883

Received at 852 BROADWAY.

ANSWERED

Dated Mt Carmel Nov 27 1883.

To Thos. A. Edison

FILE No.

65 - 5 Ave

Four loaded Cars with Machinery here no one to receive it there will be Demurrage after today

Wm Johnson

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-12-01

Wm. Schwenk, Geo. Robertson, J. Geise.

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black ◊ Diamond ◊ Colliery ◊ Coal,

Mt. Carmel, Pa., Dec 1st 1883

Thos. A. Edison Esqr

Dear Sir

All the material is here now for at least one week the poles are to be here by wednesday next, part here now. no doubt here for building, if the management continues as at present it will Christmas in 1884 before this plant will be finished, all parties interested here are disgusted with the management if we had the size of windows & doors the building would be under roof please give us the parties from whom we can purchase the necessary

1883-12-01

Wm. Schwenk, Geo. Robertson, J. Geise.

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black ◊ Diamond ◊ Colliery ◊ Coal,

Mt. Carmel, Pa., 188

material and prices for wiring houses as we intend starting wiring as soon as possible an early reply will oblige

yours Resp

O M Schwenk

Wm. Schwenk, Geo. Robertson, J. Geiser.

1883-12-05

SCHWENK, ROBERTSON & Co.,

MINERS AND SHIPPERS OF

Black Diamond Colliery Coal,

Mt. Carmel, Pa., Dec 5th 1883

I would you may be well received by Carmel
Mr Kirby Mr Wyatt
Dunbury Mr
a Wilkinson Esq

I hope you are not doing this wrong
as in name of the Co of
We so you will have
trouble in
to do the wiring all we want is a man collecting
a man to give him instructions
for a few days. Mr Floyd is to
busy this man has been doing a
great deal of wiring the last 10 yrs
please send me the following coated
wire

we have no man just now

100 lbs No 10 coated wire
100 " " 12 " "
100 " " 14 " "
100 " " 16 " "
100 " " 18
get it shipped by fast via Lehigh valley R.R
consigned to me and oblige Yours Respectfully
Wm Schwenk

If anything else is necessary order it with this order and get it clyde to me.

N.S.

FMG

1883-12-08

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. MORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
378		h	10Pd	547

Received at 854 BROADWAY. Dec 8th 1883

Dated Mt Carmel Pa 8

To Thos A Edison 65 5th ave

Ship single & double cover half each hurry it on

Wm Schwenk

This telegram has just been received at the office in 854 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-12-17

Wm. Schwenk & Co.,

MINERS & SHIPPERS OF

Black Diamond Colliery Coal,

Mt. Carmel, Pa. Dec 17th 1883

Late

Thos. A. Edison Esq

Dear Sir

This extension you promised us when Mr Righter and me were in New York but you have extended on the alley south of Mt Carmel avenue about 100 ft more than we need it and to extend it up to 6th street where Mr Righter lives that you promised to include in the estimate then made by running the cross wire on 6th street instead 5th st st that will fill the bill for Mr Righter and extend 150 ft west of Maple st south of avenue will take all that yours & Mr Schwenk

1883-12-17.

Mr. C. H. Campbell.

Can you get up a plan of the pole lines at Mt. Carmel, which will show the number of cross arms for each pole, and the number of wires run thereon. I want these for Rich who is not very well posted, and who desires to obtain the information in order to start work at Mt. Carmel as quickly as possible.

A. O. Tate.

Per. B.

December, 17th, 1883.

mark attention Dec 18/83

1883-12-17

Direct Connections with Lehigh Valley R.R. Philad.a and Reading R.R. & Pennsylvania R.R.

Montelius, Righter & Co.

Miners and Shippers of

Mount Carmel Coal,

Mount Carmel, Pa. Dec 17 1883

Thos A. Edison Esq.
65 – 5th ave New York

Dear Sir –

Mr Schenck showed me an estimate this evening for what you consider an extension of our line, you will remember when we were in your office, we pointed out some changes, one of which was to run the wires to 6th & Oak St, taking in my house which was omitted, you took your red pencil & marked on the map, where the line should be changed, instead of running up 5th you marked the line up 6th St and also a short extension on the avenue to include some houses, omitted in the original

1883-12-17

Direct Connections with Lehigh Valley R.R. Philad.a and Reading R.R. & Pennsylvania R.R.

Montelius, Righter & Co.

Miners and Shippers of

Mount Carmel Coal,

Mount Carmel, Pa. _____ 188_

survey, we claim that we are entitled to the changes agreed upon when in your office, as marked at the time by you, & trust you will give the necessary directions that will accomplish this

Yours truly
Thos M. Righter, Treasurer

Have you arranged with any one to meet Mr E. B. Leisenring at Mauch Chunk, Pa in regard to establishing a station there, if not, try to make an appointment before sending your man as Mr L. is absent two or three days a week –

1883-12-19

Wm. Schwenk & Co.,

MINERS & SHIPPERS OF

Black Diamond Colliery Coal,

Mt. Carmel Pa. Dec 19th 1883

Answer that our expert
teach wiring is at Bellfonte &
Thos. A. Edison Esq
will soon be at Mt. Carmel

I sent an order
to Mess Bergman & Co for some
material necessary to wire houses
& please urge them to ship one
as soon as possible. and get them
to send bill for wire shipped
The station is finished. please send
book of instructions by mail. would
like you to send a man here to give
instruction to our man who does the
wiring as soon as the material arrives
please attend to this immediately and much
oblige Very Respectfully Yours
Wm Schwenk

[FROM HENRY GUIMARAES]

1883-12-27

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Mount Carmel.

New York, 27th December 1883.

Mr. Tate.

In reference to proposed extension of main on alley between 5th & 6th Sts, & Oak & Maple Street, we must take -

330 ft. #2 Copper wire weighing 245 lbs & 4 poles.

Mathematically speaking, feeder should be changed & made larger, as there are more lamps connected on the system, but taking the matter practically, present size of feeder will be sufficient.

Answer
275 #2

Shamokin Pa. Dec. 27/83

Thomas. A. Edison Esq

Dear Sir.

Please inform me if you have shipped the Poles, Raising Tools to Mount Carmel

Yours
John Mullen
3

1883-12-28

Wm. Sowwenk & Co.

MINERS & SHIPPERS OF

Black Diamond Colliery Coal,

Mt. Carmel, Pa. Dec 28th 1883

Thos. A. Edison Esqr

Dr Sir

The poles will all be up by tuesday Jan 1st the station is ready for wiring send on your men to do the wiring do not delay us any longer it has been an eye sore to us thus far, Mr Rich has been here in all about 3½ days, and you can judge about how we feel with the headway made, we have some of the buildings wired but our man that does the wiring is putting up the poles. and we want him to get at the wiring of the buildings. we have not received the material from Bergman & Co I cannot see why they do not ship them place them on and ship them you send up your Schumann

[TO C. H. CAMPBELL?]

(1883)

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

Campbell

For Christ sake
indicate on the plan
for mains of wires
where the shed is —
Indicate which is on
each side of the building
rain if its on a alley
leading to a public thoroughfare
we can't lell a d-d thing about
Charnel Cannel — Yte

[MEMORANDUM BY C. H. CAMPBELL]

(1883)

Mount Cassell

2 - 200 Light Lyman

with 18" finding

Campbell

Wire for Mount Carmel Pa

2350 lbs #0 B&S Copper wire
2250 " #2 B&S " "
1400 " #00 B&S " "
400 " #10 B&S " "

Denver car

300 lbs #12 Iron wire

Campbell

(1883)

Mount Carmel

1 - 9½ x 12 Engine with 47" pulley

75 revs 276 revs per min

2 - 200 (S) light Dynamos with 18" pulley

[illegible] H.P. Engine Tubular Boiler

Beck Cotter

Hazelton Pa

1 - 92 H.P. 13 [illegible]

1 - 14½ x 13 Engine 75 revs with 66" pulley

75 revs 204 revs per min

2 - 300 light Dynamos with 12" pulley

2 - 10" Double non overlap belt 38' - 6⅞" long

Material for Pole line

— Mount Carmel Pa —

85 Poles - 35'-0" above ground 6"x8" top 41'-0" total length

155 Cross Arms

$28 { ✓ 400 Insulators
✓ 450 Pins
✓ 350 Lag screws

$23 { ✓ 1.5 Main & Feeder safety catches
✓ .3 Pressure wire safety catches
✓ 100 lbs #16 or #14 wire Clothes
✓ 1 Roll Insulating Tape

Mt Carmel

~~2 - 8~~

2 - 8" Double row riveted Belts 29'-8 1/8"

Bellefonte

2 - 10" Double row riveted Belts 29'-8 1/8"

Campbell

3 - 10" double [illegible]

Belts Each 30' 10" long

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Shamokin (D-83-060)

This folder contains correspondence and other documents relating to the formation, organization, and construction of the Shomokin central station, which began operation on September 22, 1883. Much of the correspondence is by Edison employees William S. Andrews and Thomas P. Conant and by William H. Douty, president of the Shamokin company. Some of the correspondence by Andrews is partially illegible due to water damage.

All the documents have been filmed.

1883-04-03.

Inquiry for Rate.

GENERAL FREIGHT OFFICE,

LEHIGH VALLEY RAIL ROAD COMPANY,

PENNSYLVANIA AND NEW YORK CANAL AND RAILROAD CO.

GENEVA, ITHACA AND SAYRE RAILROAD CO.

J. H. HECKMAN,
Assistant General Freight Agent.

Mauch Chunk, Pa.

Apr. 3rd, 1883.

Thos. A. Edson Esq.,

New York City.

Dear Sir:

I have yours of 29th ult asking for rates, carloads and less, New York to Shamokin, but you fail to state on what kind of goods.

Please advise me and I will be happy to quote you.

Yours truly,

J. H. Heckman

A.G.F.A.

1883-05-03

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
374	Cs	R 36 paid	547

Received at **791 BROADWAY.** May 3 1883

Dated Shamokin Pa 3

To Thos A Edison 65 5 Ave

Contract for installation of sixteen hundred light plant signed Boiler stock poles building & feed mixer items cut out of estimate you better come by penna road to sunbury tonight I will meet you answer quick - P B Shaw.

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-05-03

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
577	Cs	R 23 pd	831

Received at **791 BROADWAY.** May 3 1883

Dated Shamokin Pa 3

To Thos A Edison 65 5 Ave

Message rec'd I regard it absolutely necessary for you to come cannot think of leaving reply you can return in six hours I answer

P B Shaw

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-05-05

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
82	Ay	W	Collect

Received at 852 BROADWAY.

Dated Shamokin Pa 5 May 5 1888.

To C. C. Mott

" 65 Fifth Ave:

Shall be at office at

twelve o'clock

Saml Insull

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

91883-05-05

Office of

W. H. DOUTY, May 5 1883

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. May 5th 1883

Thos. A. Edison Esq
65 - 5th Ave. N.Y.

Dear Sir,

Accompanying this I hand you Copy of Agreement Signed by our Co. as arranged last Night - don't fail to send plans &c as soon as possible and oblige

Yours truly
W. H. Douty

1883-05-07

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 7th May 1883

Mr Scheffler,

Our Local Company at Shamokin are going to put up the Building for Central Station set the Boilers buy & erect Stack & Steampiping & put in our Engine Foundations for us.

I want you to indicate on the Blue Print of Shamokin Station exactly how much can be cut off the Bldg if we leave out of consideration the idea of extending the Plant beyond 1600 lights.

I should also like plan of Foundation for 8½x10 engines giving position of Foundation Bolts, Specification of Steam & Exhaust Piping without pipes & Stack together with details of foundation for Stack

Yours truly

Samuel Insull

P.S. Lots purchased we paid $2000 – $1000 Cash balance on mortgage

1883-05-14

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

RECEIVED MAY 16 1883

ANSWERED

FILE No. .....

Shamokin, Pa., May 14th 1883

Thos A. Edison Esq

65. Fifth Ave N.Y.

Dear Sir

Your favors of 9th inst recd – also plans &c. We have been somewhat delayed in the purchase of lots. However that part of the business we closed up to day with the Shamokin Banking Co – Lots 3 & 4 in Block 13 which you can locate by referring to the Map of our town. Within the next few days we Expect to Contract the foundation building & holes, will write you again when Consummated. Mr Mullen will furnish the foundation bolts and the Cast Iron Caps for Engines. He says he can furnish them for less than your Estimate

Yours truly W. H. Douty Pres E. & G. Co

June 1/83

1883-05-16

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., May 16th 1883

Thomas A. Edison Esq

65 – Fifth Ave. N.Y.

Dear Sir

We have not yet consummated any of our Contracts – Our Co being all business men, and appear to be taken up so much with their own business affairs, I can hardly get them together to make a start on our plant. I am in hopes of bringing the matter to a starting point within a few days. After seeing the ground upon which we will place our plant, we have come to the Conclusion to change the plan of building from what you designed & a Copy of the Drawing I here with send you. By doing this we keep the valuable part of our lots for future use or disposal. Hoping the change will meet your approbation I am

Yours truly W. H. Douty Pres

1883-05-25

RECEIVED
MAY 23 1883
ANSWERED

May 28 1883

Office of
W. H. DOUTY,
—DEALER IN—
Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,
Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. May 25th 1883

Thos. A. Edison Esq
65 Fifth Ave N.Y.

Dear Sir

We have not yet made any of our contracts - except for the poles, on account of a hitch in the Shamokin Banking Co in reference to their title of the lots purchased from them, their directors will have a meeting tonight: when I think the trouble can be satisfactorily arranged. As soon as our title for the lots is made right we will push a head with all dispatch our part of the construction of the plant. will write you again when this is done

Yours truly
Wm H Douty

1883-05-29

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
308	Co	py	43 Pd	344

Received at 352 BROADWAY.

May 29 1888.

Dated Shamokin Pa 29

To Thos - A. Edison
65 - 5 ave

Just Closed up deed will
write in few days when
Ready for you

W. H. Doughty

This telegram has just been received at the office in 352 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., May 29th 1883

RECEIVED
MAY 31 1883
ANSWERED
FILE No.....

Thos. A. Edison Esq
65 Fifth Ave N.Y.

June 1 1883

Dear Sir

Your telegram of today recd - Same answered by wire - We have had a great deal of trouble in getting the title in good shape for the two lots purchased from the Shamokin Banking Co. only accomplishing it this P.M. Will now move our Contracts without delay - In the course of a few days can let you know when we will be ready for you, This business has been of great annoyance to me I can assure you

Yours truly
Wm H. Douty

You are fat enough to stand the annoyance —

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., June 2nd 1883

Thomas A. Edison Esq
65 Fifth Ave N.Y.

Dear Sir

At last we have the title made Satisfactory, Untill that was accomplished our hands were Completly bound, And think the delay on that account, is as much to your interest as to any one stock holder in our Company. We are now at work with full force digging out foundations. And Expect to have the foundations all up by the 15th of this Month, you can make your Calculations accordingly, The polesmen will be on the ground by the 10th inst.

Yours truly
Wm H. Douty

P 1883-06-02

Form No. 1.

1883-06-04

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
185	CS	n	13pd

Received at **852 BROADWAY.**

Dated Shamokin Pa June 4 1883.

To Thos a Edison 65 fifth ave

We prefer using one
inch engine foundation belts
Can we use them answer

John Mullen

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883.06.05

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. June 5th 1883

Thomas A. Edison Esq

65. Fifth Ave. N.Y.

Dear Sir

Your telegram of today recd. - Enclosed I hand you Mr John Mullens Check on the Shamokin Banking Co. four thousand Eight hundred and two 35/100 dollars - the first payment due on our agreement with you of May 4 - 1883 - please acknowledge receipt. We are pushing ahead with the foundations as rapidly as possible - and Expect to have them up as I wrote you by the 15th inst. have made all our Contracts now Except the digging of the holes for poles - the poles are all in the ground

Yours truly

Wm H. Douty Prest.

" the Edison Electric L. Co of Shamokin

1883-06-06

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
319	LJN		12 Collect	257

Received at **852 BROADWAY.** June 6 1888.

Dated Shamokin Pa 6

To Thomas A Edison 65 - 5 Ave

think I can will let you know soon as see parties

Wm H Doughty

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-06/9

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

RECEIVED JUN 6 1883 ANSWERED

NUMBER	SENT BY	REC'D BY		CHECK
19	Sh	M	Paid	15

.....188... FILE No.....

Received at **852 BROADWAY.** June 6 1888.

Dated Shamokin Pa

To Thos A Edison

65 5 Ave

Send you Check today for first payment

Wm H. Doughty

Prest

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-07

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. June 7th 1883

Thos. A. Edison Esq
65 Fifth Ave N.Y.

Dear Sir—

Your telegram yesterday recd. & answered. Also telegraphed you this morning "party will deliver at Sunbury the poles at two dollars and twenty five cents" Up to this morning I could see but one party who is in the pole business. In fact we only have two now in the town. Will try and see the other party tonight. He being in the woods all day is hard to find when you want him.

Yours truly
Wm. H. Douty

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

14

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
545	AV	R 1099	5817

Received at **852 BROADWAY.**

Dated Shamokin Pa June 7 1888.

To Thos Edison 65 5th Ave

Please forward plans for boilers & foundations at your earliest.

John Mulder

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-07

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. June 7th 1883

Thos A. Edison Esq
65 - Fifth Ave N.Y.

Dear Sir

I met the second party on poles this Evening. He wants three dollars on Cars at Shamokin or on line of Road between here and Sunbury

Yours truly
Wm H. Douty

Shamokin Pa. Central Station

1883			Dr		Cr	
June	13	Sundry Disbursements from 12 Apr 83 to date	57	10		
	15	By First payment on a/c of Central Station Installment, being 25% of full amt of contract due 4 May 83			4802	25
	18	To Disbursements per Petty cash during week ending 16 June 83		25		
	21	To 755 lbs #12 Galv.d Iron Wire	50	96		
		" Cartage on Same		50		
	26	To Three 8½ × 10 Engines Nos 18.19.20	2250			
		" 1 pr 8½ × 10 Crank Pin Boxes	10			
		" 332 lbs 16 in: Bare Elec. Cop. Wire				
		" 1627 " 23 " " " " "				
		" 7206 " 27 " " " " "				
		" 1274 " 30 " " " " " 10439 lbs	2505	36		
		" One 146 H.P. Boiler 3102 less 5%	2946	90		
	26	To Disbursements per petty cash for week ending 25 June 1883		99		
		By Special credit on Boiler supplied for Central station			73	
	30	To Disbursements per petty cash for week ending 30 June 1883	1	50		
		To 1145 lbs 30 Elec. Copper Wire				
		2715 " 32 " " " 3860 lbs	926	40		
		" 3 H Dynamos #2 #4 #5	4050			
		" 24 Extra Brushes	24			
		carried forward	12823	96	4875	25

1883							
June	30	2	Brought forward	12823	96	4875	25
	30	To	1 pair Pole climbers & straps	2	75		
		"	1 Hatchet	1	50		
		"	1 Strap & Vise	3			
		"	100 feet Rope	1			
		"	12 Feeder Switches	75			
		"	4 Switches for Field Regulators	12			
		"	2 House changing Switches	10			
		"	2 Banks of CS Regulators H	200			
		"	6 Banks of 50 Test Lamps	60			
		"	250 Temporary Fixtures				
		"	250 P.B. Key Sockets				
		"	250 P.B. #201 Holders				
		"	250 - 10" Flat porc Shades	393	80		
		"	9 cases 4 Bbls & packing	19	06		
		"	Cartage	1	50		
		"	300 High Volts Lamps	75			
		"	Barrels & packing	1			
July	16	To	3 Dynamo Switches	27			
		"	80 - 12 Lt Meters complete	480			
		"	20 Extra Lt Bottles	3	60		
		"	20 " Pair Meter Zincs	2	60		
		"	20 " Sets Rubber Fixtures	5	20		
		"	20 - 25 Lt Meters complete	123			
		"	8 Extra pair 25 Lt Zincs	1	36		
		"	8 " Sets " Rub. Fixtures	2	32		
		"	12 - 50 Lt Meter Bottles	3	06		
		"	12 pair 50 Lt Zincs	3			
		"	12 Sets " " Rub. Fixtures	3	48		
		"	5 cases 10.54 1 Bbl 35 cartage 1.00	11	89		
		By	6 - 25 Lt Meter Bottles short			1	26
	19	To	5 - 50 Lt Meters	47	75		

		"	Box, packing & cartage	2	14		
	19	To	Disbursements per petty cash for week ending 16 July 1883		35		
	19	To	3 – 10" Leather Belts ea. 30'x10"	260	85		
	19	By	45% on above Belts			117	38
	24	To	Freight	3	40		
	24	To	Disbursements per petty cash for week ending 23 July 1883		59		
	31	To	1 – No 5 class "D" Monitor Injector	41	55		
		"	1 – " " "C" Friedmann "	42	25		
		"	Box for same		25		
	31	To	Salary & Exps from 18 May to 31 July	109	73		
Augt	23	To	2 House changing Switches	17			
		"	Box & packing		45		
		"	7 Boxes of 100 Ohms each, Iron wire with 2 Binding posts	21	75		
		"	6 Small plug Switches	5	60		
		"	2 Boxes & packing	2	10		
		"	2 Large plug Switches for feeders	4			
		"	10 Small " "	6			
		"	2 plug Switches ½" 3.00 less 25%	2	25		
		"	6 Bdls #12 Galv. Iron Wire 506 lbs	32	89		
		"	2 Sets Rabbit bearing Boxes for H Dynamo 60 Box pkg & cartg 3	63			
		"	1 piece polished Brass 5½" x 2 ft	2			
		"	1 Copper Rod ¼ x 6 "		50		
		"	12 Brass Cocks	3			
		"	12 – 3/8" Brass Tubes 9" long with holes	1	80		
		"	1 piece polished Brass 5½" x 6 ft	5	64		
		"	1 " " " 5½ x 3	2	82		
			carried forward	150 23	74	4993	89

1883		Brought forward	15023	74	4993	89
Augt	29	To Setting 130 poles + running necessary wires, furnishing all material excepting poles and conducting wires	1791	70		
		" 1 Enam Sink 30 x 18 2.50 less 25%	1	88		
		" 1 Glass Bowers trap	1	10		
		" Box		25		
	29	To Expenses per W S Andrews	7	96		
	31	To Disbursements per petty cash for week ending 19 Augt 83		61		
	31	To 3 Dynamo changing Switches returned at half price 13.50				
		less express charges 80			12	70
	31	To Disbursements per petty cash for week ending 31 Augt 83		35		
	31	To Salary + Exps per W D Rich	62	92		
Sept	20	To 1 Balance #7 agate Knife Edge 95.00				
		" 1 Set weights #13 10.00				
		105.00				
		less 15% 15.75	89	25		
		" 1 - 8# Drug Scale T.S.10 less 40%	6			
		" 1 Imp Seal press	3	50		
		" 1000 Lead Seals #24 #7 turned Wire	3			
	24	To 1 Harding Speedometer	13	12		
		" 15 gallons Valvoline	18	75		
		" 15 " Machine Oil + cans	11	70		
		" Bound Bill per Augt Roll	1	50		
		" 1 Feeder Indication + alteration	25	40		
		" Chemicals per W S Andrews	20	09		
	29	To Expenses " "	6	15		
		carried forward	17088	97	5006	59

1883		4 Brought forward	17088	97	5006	59
Sept	29	To 1 lb Pure Sulp Acid 45				
		" 1 " " Mur " 40				
		" 1 oz Iodide Potassium 20				
		" 1 " Sulphocyanide Potas^m 20				
		" 4 " Marine Glue 1.75				
		" Box 25				
		" 6 Dunn's Gem Filter Paper 1.68	4	93		
		" 2 - 3/8 x 2 1/4 Hexa Cap Screws		11		
	29	By 10 Phosphor Bronze Bear^g Boxes			150	
	29	To 6 N.S. Feeder Indicators 22.75 + pkg 1.54	138	04		
	29	By Cash per 22^d Sept 83			2000	
Oct	17	By 6 Bronze Bearing Boxes			90	
	17	To 1 Main Ampere Indicator 20.00				
		" 1 " " " 20.00				
		packing 70	40	70		
	17	To 1 one Alcohol Blast Lamp + Box 25	3	25		
	19	To 1 Ledger	6	92		
	19	To 5 lbs Sulphur Zinc 60				
		" 5 " Mercury 2.50	3	10		
	23	To 25 - 12 Lt Meters complete	150			
		" 10 - 25 " " "	61	50		
		" 5 - 6 " " "	29	40		
		" 10 - 50 " " "	95	54		
		" 5 - 6 " " "	29	40		
		packing	3			
	23	To Meter Appliances returned			645	24
	30	To Error in price of chemicals		40		
	31	To 60 - 6 Lt Meter Bottles Comp 18 - Box 90	11	70		
Nov^r	12	To Express from Shamokin + cartage	4	33		
		carried forward	17671	25	7891	83

1883		5 Brought forward	17671	25	7891	83
Nov^r	12	To Stationery		63		
	12	To Building material p^d I Marshall	141	74		

Examined
Central Station

1883-06-19.

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. June 19th 1883

Prof. Thos A. Edison

65 - 5th Ave. N.Y.

Dear Sir -

I met Mr McIlvain of Reading Pa here last Evening, who is contemplating putting an Electric plant in their Iron Works at R. I do undecided what system to add ft. I told Mr Edison all I knew and gave him one of your Bulletins No 17 - and told him I would write you to send him a Copy of all your Bulletins - which I think will be to your interest to do - their address is Wm McIlvain & Sons Reading Berks Co. Pa

Yours truly

W. H. Douty

(G)

June 19th.

W. J. Roth, Esq. Pres.

Edison Electric Illuminating Co.

Shamokin, Pa.

Dear Sir:-

I am in receipt of your favor of the 16th. inst., and note what you have to say about writing Mr Wendler. When you get your plant running, I shall esteem it a favor if you will write him and give him your idea of the Edison system from actual experience.

Very truly yours,

1883-06-16.

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., June 16th 1883

Thos. A. Edison Esq
65 - Fifth Ave. N.Y.

Dear Sir

Your favor 15th inst. recd - I will see that both of your requests are attended to. I send you herewith letter of inquiry from Thos D. Wardlaw Sect. of Galt, Canada - My reply was that the Edison System was the only one of Merit

Yours truly
W. H. Douty

P.S. I also wrote Wardlaw the fact of our plant just being under Construction - and would not furnish light for the next 30 Days -

W.H.D.

JOHN WARDLAW,
Manufacturer of
SCOTCH FINGERING, WHEELING,
and Knitting Yarns.
~~ALSO FULL FINISHED UNDERCLOTHING~~

Galt, Canada, June 7th 1887

Mr R.N. Dority
Shamokin Pa.

Dear Sir Would you kindly furnish me with a few facts regarding the Edison Light in your town. It is proposed to light our town with Electricity and we are now debating on the Best and most economical systems. So far the Edison is preferred any information you may be pleased to send me greatly obliged

Yours truly Thos Wardlaw
Secy

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed, and Grain,

Shamokin, Pa., June 23rd 1883

Prof. Thos. A. Edison
65 – 5th Ave N.Y.

Refer to Dreamland of Incandescent

Dear Sir

If it will suit you to take off of our hands the digging of the holes, and placing the poles, we will agree to pay you the same, as per your original estimate – We make this offer for the reason that we think you can, and are prepared to do it, having your men now at that kind of work at Sunbury – We not having men of experience or tool to do the work is the reason for our making this request. let us know by return mail, and oblige

Yours truly – W. H. Douty

Pres. The Edison Electric Illuminating Co of Shamokin – Pa.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
196	Cs	R	21 paid	601

Received at ~~791 BROADWAY.~~ 852 BROADWAY. June 25 1882-3

Dated, Shamokin Pa 25

To Thos A Edison 65 5 ave ny

We cannot put up ninety foot stack can we put up two fifty foot instead send on boiler immedy answer quick = Wm A Dowly

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
16	BS	DY	10 Pd	8 20

Received at ~~791 BROADWAY.~~ 852 BROADWAY. June 29 1882-3

Dated, Shamokin Pa 29

To Thos. A. Edison

65 - 5 ave

We are waiting on man to superintend Erection of Boilers

John Mullen

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
178	an	n	9 Pd	1236

Received at 791 BROADWAY. 792 BROADWAY.

Dated Sunbury Pa 9 July 9 1882 3

To Saml. Insull - 65 fifth av

Start Shamokin tomorrow morning at seven everything right here

C F Harrington

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
354 852	BROADWAY		59 Pd	340

Received at 791 BROADWAY. July 16 1882 3

Dated Shamokin Pa 16

To Saml Insull 65 fifth av - Very little has been done since I was here It will take one week to finish brickwork on building Potts on Boiler two weeks from now roof will be completed this is general opinion of all concerned line men preparing poles three belts shipped here on eleventh which should have gone to Brockton you cannot forward anything by coming

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES. W W Rick

1883-07-16

List of Insts, Switches &c for Shomokin Elec. Light Plant

3 A Resistance Boxes
12 Pressure Indicators
1 Ampere Meter for Balance
2 do do for Load
6 Small switches for Compensating wires
12 Larger do for red & blue wires X
1 Large Switch for Connecting mains of Spare Dynamo (Two hour in Sunday)
1 Four point switch for field of Spare Dynamo
6 small single plug switches or 3 double plug switches for Connecting omnibus wires to Earth
3 Iron resistances

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

1883-07-21

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
B 202	Mr	D	17 Paid

Received at 3 West 23rd Street.

Dated Shamokin Pa 21 July 21 1883.

To Dame Insull 65 fifth ave ny

Send one Monitor nonlifting injector by express quick I have used the one at Sunbury here also

W D Rich

Order #14 [illegible]

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

CABLE OFFICE. 3 West 23rd Street. ALWAYS OPEN.

1883-07-28

~~Office of~~

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. July 28th 1883

Prof Thos A. Edison

65 Fifth Ave N.Y.

Dear Sir,

We are having some trouble by parties opposing the erection of poles that may interfere very materially in getting up the poles. which I am sorry to say is all on account of statement made by Mr Shaw. saying our Charter gave us the right to erect them without any grant or permission from any other source whatever, We now find that it is necessary to have an ordinance passed by the Borough Council granting us the right to erect them. this is in accordance with the strict letter of the law, How much of the law the parties who are opposing the erection of them know, we cannot say. They have it in their power to stop us dead, simply because we

2

1883-07-28

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., July 28th 1883

to the A. E.

acted under Mr Shaws advice as coming from your attorney at Williamsport who obtained our Charter &c – We have to move along very cautiously and get the poles up in some way. The people want the poles painted. I telegraphed you to day in reference to painting the poles. While the painting of the poles is not included in your contract. You when here said you would paint them at your own expense – After once up and working all right. I think we can get the Council to pass the Ordinance – The act plainly says "by Ordinance only". and we have simply a resolution passed by the Council –

Yours &c

Wm H. Douty

Pres.

Form No. 1.

1883-08-02

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
217a	Y	WU	17 Paid

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, Aug 2 1888.

Dated Phanixville Pa 2.

To Thos A Edison

65, 5th avenue

We would like Johnston to

Erect Poles on Dewart St Can

he do it before the leaves

Wm T Dowdy

Form No. 1.

1883-08-13

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK

352 BROADWAY.

Received at **791 BROADWAY.** Aug 13 1882.

Dated Hamokin Pa 13

To Saint Merell

6th fifth floor

Builder says plaster station roof will be finished tight tomorrow

Engines are at the station Rich

Can come on at once Wm Andrews

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

46

August 13th/13

W. J. Andrews

re the roof of the Central Station being not quite tight to prevent

1888-08-18.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
195	af	Co	12 pai	152

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, Aug 18 1888.

Dated Hamilton Rd 18

To Samuel Insull

65 Fifth avenue

Height of office ceiling twelve feet average height of building fifteen feet

W D Rich

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,
NEW YORK.

1883-09-20

Form M.
W. D. RICH,
SUP'T OF CONSTRUCTION.

Sturgeon Bay Aug 20th 1883

Address reply to.....

File

Samuel Insull Esq
Dear Sir

Have sent Building Sixty and Glass Tops for Meters Shown - by Express at once - Engines are all set and Dynamos will be in place tomorrow Every thing will be complete by Saturday next ready for Trial as far as Central Station is concerned - Mr Andrews was up today and went over the line with Mr Johnston who will be engaged up on Monday morning to commence wiring Stores - Mr Doty informs me that he has received verbal instructions from Mr Edison about wiring his Buildings or any other Work should be done at once if you Desire to start the Plant when completed

Very Truly Yours
W. D. Rich

Please have Rules Shipped to Sunstone - Mr Willcox Supt no it has not been Ordered

The letter of the Sunstone Mine was in town to day to inform me that they can at Sunstone is more than pleased but want the Supt & charges for the Sum which is much less than gas.

W. D. R.

1882-08-24

Form No. 1.

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THOS. T. ECKERT, General Manager. HORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
205	Co	Tm	Wpd	1249

Received at **852 BROADWAY.**

Dated Shamokin Pa August 1888.

To Sam'l Insull

65 Fifth Ave

Shall test all machinery today if all right will be in New York Sunday morning Lawrence ~~tues~~ tuesday if not on wednesday

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. N. D. Rich

1883-08-25

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed, and Grain,

Shamokin, Pa. Aug. 25th 1883

Thos. A. Edison Esq

65 Fifth Ave N.Y.

Dear Sir

When Mr Insul was last here he spoke about a new ex chefing system of boiling tunes advising us to hold off with that part of our business until you had it completed. As the time is drawing close to the completion of the plant that you think to have running should be underway - Mr Insul also spoke about you getting up a cheap fixture not to cost any more than the temporary ones you sent us - Now if these cheap temporary permanent fixtures would answer in place of the temporary and you could handle what we have at other places. It would be a saving to our Company of a few hundred dollars - all of which the Co. is sorely in need of.

Yours truly W. H. Douty Pres. E.E.

[TRANSCRIPTION FOLLOWS]

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa
~~New York~~, Aug 30 188[illegible]

Ask him if Sunbury Engineer should get sick could his Brother run the Station

also want total lights connected ... says

Sunbury - & if the Engineer Bro

Dear Sir —

Cong amongst the
On further consideration

questions. Insert him & which he answers

that the connecting boards of double main switch ... made

[illegible] ... on head board of ... there will be three wires running to each of them, and it will be [illegible] ... at the time

[illegible] got all the wires brought inside the Station, all the [illegible] switches up, and feeders [illegible]

What Switch ... Send ... Edison ... [illegible]

[TRANSCRIPTION FOLLOWS]

1883-09-03

and all the pressure wires are put up — We are now connecting up the dynamos and I think we can finish up by next Wednesday — The future Electrician and man-man of this station is a very intelligent and lively young man named Beck

[illegible] your time, and hope you will come down — I want to spend Sunday in Sandusky, to see how they [illegible] without us — but I shall not be able to go unless you send me the "two things necessary" Yours truly

H. S. Andrews

[TRANSCRIPTION FOUND IN DOCUMENT FILE]

1883-08-30

National Hôtel, Shamokin, Pa.
August 30th, 1883

Saml. Insull esq.

New York.

Dear Sir:

On further consideration I think that the connecting posts on double main switch should be made same pattern and sizeas connecting posts on head-board of H dynamo, as there will be three wires running to each of them and it will be best to clamp all three--

We have got all the wire brought inside the station, all the feeder switches up, and feeders connected, and all the pressure wires are put up. We are now connecting up the dynamos. I should say that we can finish up by next Wednesday.

The future Electrician and meter-man of this station is a very intelligent and handy young man named Brock. He is --------- all helping us to fix up. I have not heard from you for some time and hope you will write soon. I want to spend Sunday in Sunbury to see how they are getting on during this week without us, but I shall not be able to go unless you send me the "one thing necessary"

Yours truly

W.S.ANDREWS.

1883-09-03

National Hotel,
C. A. JOHNSTON, Proprietor.
Chamberlin, Ga. 1884

Thomas A. Edison Esq

Dear Sir.

The melted ice works to a charm. After five hours run with a load of 18 lamps on the meter (25 light meter) the solution remained as clear as a bell. Taking this together, with the fact that ordinary chemicals tests show the water to be free from impurities I can see no reason why this method of obtaining pure water should not be used as it is certainly a very cheap one. They have sent

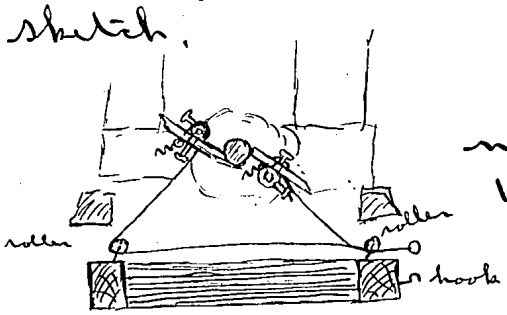
1883-09-03

10 fifty light meters here. Why was this done. One or two may be used but hardly 10.

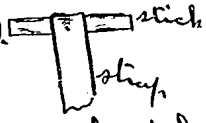
The copper wires on the 6 light plates as you know, are extra long to allow for the small plate. This is all right but Bergmann has sent me a lot of 12 light plates which for some reason are fitted with 6 light copper wires so that to get them into the meter they must be cut down. We can not waste time in sending these back but this should not happen again. The 25 light coppers also you remember are too long.

I have fitted to one of the dynamos a couple of straps by which the brushes may be

raised from the commutator when shutting down. The arrangement is as in the following sketch.



all that is necessary is to pull the straps and catch the ring over the hook. Above the ring is placed a buckle to allow of adjusting the lift. At the end of each strap is a small stick which is caught under the brushes (as shown at W. W).



The rollers are screwed to the wooden base of the dynamo. There is enough slack to allow of shifting the brushes when necessary during a run.

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

The arrangement works easily and the entire cost is about 60¢. What do you think of the idea. Brock is doing well and now that he can have a turn at meter practice is getting all the points down fine.

Yrs. &c.
Thomas P. Lovant.

[INCOMPLETE]

1883-09-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Hamilton

New York, Sep 5th 1883

RECEIVED
SEP 7 1883
WHS

Sep 8/1883

FILE NO.

Dear Sir

The Bills reported to me this afternoon
I have seen Mr Beatty, and he positively
refuses to have any wiring done until
[illegible] the [illegible] of the [illegible]

[illegible] no money for current expenses
[illegible] enough to buy a ticket back
to New York — Mr Beatty declines to
pay me any money, and strongly
[illegible]
New York — [illegible]
[illegible] advance [illegible]
[illegible] to buy a ticket back, or there
[illegible] sufficient reason to
[illegible] his running up a bill for

[INCOMPLETE]

for an indefinite period. Notwithstanding his desire to return himself — he will therefore leave Shamokin by one [illegible] train this morning —

[illegible] bearings taken out of the [illegible] here, and Babbitt [illegible] Jewell ship the bronze bearings to [illegible] Machine Works Brooklyn

I hope to have [illegible]

[illegible] Friday or Saturday [illegible] case I suppose there will be no [illegible] to my coming to New York for a day or two, as I have now been away [illegible] these two months, and have [illegible] I intend [illegible] this [illegible] return home, and may [illegible] you [illegible] me with a cheque for the [illegible] month, if I should call on you [illegible] I shall require some money [illegible]

1883-01-08

Send him money

Shamokin Sept 8 /83

Samuel Snell Esq
Dear Sir

My account of expenses Sept 1-7 is as follows.

Shamokin to Sunbury	.60 ¢
Sunbury to Shamokin	.60 ¢
7 days @ $2.50	$ 17.50
Total	$ 19.70

Please send me the cheque I asked for $50.00 as soon as possible. I am here for two weeks board and have no money at all. You spoke in a letter to Mr. Andrews of sending me to Brockton. Please give me

1883-07-08

early notice of any such change as I wish to stop in New York for a day.

We had the light running in the station Thursday evening and things worked smoothly. I have arranged so that the meters can be tested in the meter room. At Sunbury owing to the small size of the room the meter test had to be run in the dynamo room where it was in the way of everybody. Here there will be a set of shelves placed along one end of the meter room and the test meters placed on them. This is a better way to have it. To admit of having these shelves, I had the partition between office and meter room placed two feet further back than was at first

1883-01-08

intended. This is not noticed in office room which it makes a big difference with regard to the perfecting of the meter department. I think that in all future stations matters should be designed not only with regard to placing machines and boilers in the best positions but also with regard to economy of inside wiring. That is, so arranged that the best disposition may be made of switches, indicators and ampere-meters without the excess of wire that must be used in cases where we are left to work them in the best way we can. In the case of this station the feeders and pressure wires arrive at the building in a state of chaos and it was very difficult

1883-09-08

Good idea

to bring them to switches and indicators in correct order; that is the three wires of each feeder together. It seems as though the proper method would be to start at the station, plan out the inside connections and lead the wires off in regular order and not start at the four corners of a town and come in to the station, without the least regard to how the wires could ever be brought inside and connected. Do you not think it would be well to think of this in planning other stations.

Yours

Thomas P. Gorman.

1883-09-15

STEAM ENGINES,
COAL BREAKERS,
MINE PUMPS.

DRIFT CARS,
FORGINGS,
FANS, &c.

Shamokin Iron Works,

JOHN MULLEN,

Shamokin, Pa., Sept 15 1883

Mr Thomas. A. Edison
New York

Dear Sir

We wired the Edison E. Light Co to-day to ship Two Hundred and fifty Lamps of Sixty Candle power, and three Lamps of Thirty two Candle power

P.S. You will confer a favor by hurrying up the Electric process of wiring houses for this Station, There are two large buildings here waiting to be wired with the new process and they come to the conclusion that they would have to wait too long, and they then had the Gas Light put in which was quite a disappointment to us as the Buildings are in quite a prominent part of the town, awaiting an early reply

Yours Respectfully
Wm. H. Doty Pres't
John Mullen Treas.

1883-09-17.

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THOS. T. ECKERT, General Manager. CHAUNCEY M. GREEN, President.

RECEIVED SEP 17 1883

NUMBER	SENT BY	RECEIVED BY	CHECK	TIME FILED
110				1040

Received at **852 BROADWAY.**

Dated Sept 17 1883.

To Samuel Insull

65 Fifth Ave

No house wiring has been done here doubt wants to start with New Style Shade I return the temporary fixtures

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

W. D. Andrews

[illegible]

Tell Daily [illegible] Co have
closed down for ten days
and cannot [illegible]
that he Gella have
down [illegible]
Clyde until we [illegible]
as I want to come [illegible]
[illegible]

[illegible]

1883-09-19

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

RECEIVED SEP 20 1883 ANSWERED 12 30

NUMBER	SENT BY	REC'D BY	CHECK
322	RB	RW	9 paid

FILE No.

Received at **852 BROADWAY.** Sept. 19 1883.

Dated Shamokin Pa

To Saml. Insull,

65 - 5th Ave

Send balance and Chemicals and for meters quick and our oil and balance meters Harry Clarke on pressure Indicator

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Edison

1883-09-20

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

6057

NUMBER	SENT BY	REC'D BY	CHECK
331	fi	K	2 B paid

Received at **852 BROADWAY.** Sep 20 1883.

Dated Shamokin Pa Co

To Saml. Insull

65 - 5th Ave

Engine and boiler questions not answered no meters or chemicals during new wire shall be detained here indefinitely if things not rushed.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

forward DIRECT WIRES. Edison

1883-09-21 Form L.

THOMAS A. EDISON,

Central Station, Construction Dep't,

No. 65 FIFTH-AVENUE,

RECEIVED SEP 25 1883

Sept 25/3 New York, 188

FILE No.

141

Sept 21 83

Mr D. Andrews
re putting Light
in Mr Doutys store

1883-09-24

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa

~~New York,~~ Sep 24th 1883

Saml. Insull Esq
New York

They are at the bottom of the bbl they will not stand as much jarring as the 16 C.P.

Dear Sir

I have made arrangements with a photographer here to have inside and outside views of our Station taken

I found that two of the three 32 C.P. Lamps sent, had their Carbons broken — Will you please order Edison Lamp Factory to express immediately five (5) more, as the Shamokin Co. wish to make up a half dozen. I have this day expressed the two broken ones back, at Mr Edison's desire.

Yours very truly,
W. S. Andrews,

SEP 27
FILE No. 3

Shamokin Sept 25 /80

Samuel Insull Esq
Dear Sir

In answer to your telegram just received I send full list of chemicals required for meter room.

10 lbs Sulphate of Zinc
5 " Mercury — (distilled).
2 " Pure Sulphuric acid
1 " " Hydrochloric "
1 oz Iodide of Potassium
1 " Sulphocyanided " "
4 " Marine Glue.

We also require 2 oz or so of Chloroform and about the same quantity of ammonia but these can be purchased on the spot.

Yours &c.
Thomas P. Lamont.

1883-09-26

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, 188

OK

45

9/26/83

W. S. Andrews
re Shamokin
Station requests
Check for
$50.00

1883-09-27

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa

New York, Sep 27 1883

Sept 27/83
Mr. A. Anderson
re a letter sent
to me

56

Saml. Insull Esq
New York.

Dear Sir

The enclosed was sent to me some time ago, You may perhaps wish to put it on file—

A tube in one of our boilers leaks so badly, that the boiler cannot be used until it is fixed Will you please telegraph to Mr Rich to send on the "expanding tool" to Shamokin, immediately, by exp.

We are at present running only one dynamo, because, having only

one boiler to use, the engineer finds it difficult to keep up steam when running two engines — We are putting in houses every day however, and shall very soon be obliged to put on the other dynamo, so please instruct Mr R. to forward the Expanding tools without delay —

Please do not fail to send me a Cheque for $50.00 by return mail as I shall want some money on Saturday —

Everybody seems to like our light very much, and orders are coming in all the time

Very truly Yours

W. S. Andrews

1883-09-27

File

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. S. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Sept. 28th 1883.

Thos. A. Edison
N. Y. City

Dear Sir

Yours of yesterday duly received I have just written Donly asking when the Bonds would be issued. I will also write Mr Robertson to know how much of the issue he wants, and will go to Shamokin as soon as the bonds are really to deliver and place as many as possible with the local people I was at Shamokin yesterday and in reply to my question Mr Mullen stated that it was understood between the Co & yourself that the time intervening from the starting of the plant and the time you was able to supply the new wire was not to effect the thirty days time that your contract ~~say~~ calls for you to run the same or in other words you are to run the plant 30 days after the new wire is supplied and that the last payment would not be due until the expiration of such time. I advised him to write you on this subject so that no misunderstanding between the Co & yourself might occur as to when payments are due. he promised to write yesterday. The Stock will be issued to the New York Light Co Saturday 29th inst.

Yours ever
D. Lynch Auditor
per Sir with Mullen

You can rest assured that I will give my personal attention to the Bond matter and report to you at the earliest propitious moment.

Very Truly Yours

C. B. Shaw

The Mt. Carmel people want to investigate the subject of light at Shamokin and wait on me [illegible]

[illegible]

Sept 27
P. B. Shaw
Acknowledges receipt
of favor of 26.

1883-09-28

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

File

National Hotel
Shamokin Pa
~~New York,~~ Sep 28 1883

Saml. Insull Esq
New York —

Dear Sir

The Shamokin Co. desire me to order a large blow lamp for soldering service connections — One like mine, only larger, is what they want — A big blaze is necessary to solder a heavy wire, out of doors, on a windy day — Will you kindly see to this and oblige

Yours very truly
W. L. Andrews

56

Sept 28/83

W. S. Andrews

requests large blow lamp

W. Randolph

Please make order for this on Sinker Durent 205 Hill Ave

Sale

1883-09-28

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa
~~New York~~, Sep 28th 1883

Saml. Insull Esq
New York —

Dear Sir —

Six pressure indicators came to hand this morning, in which I note several evident improvements over the old style — Will you send six more like these, to make up the complement, or five of the old style? I have one old style indicator here that I bought from New York —

We are very busy wiring, for everybody seems to want the

1883-09-28

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

light right away — I have been helping the workmen considerably of late — We have now between 40 and 50 lamps burning every evening, and Mr Cowant will soon put in the meters — I have had several enquiries lately for 50 C.P. lamps to put in front of store outside — Are any being made? — Everything is going on very well at Station, the Engines and Dynamos work first class — I rec'd a telegram from Mr Rich today, stating that expanding tool has been expressed —

Yours very truly
Wm. S. Andrews

1883-10-01

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Oct 1st 1883.

Thos A Edison
N. Y. City

Dear Sir

When I was at Shamokin last I was in Conversation with several members of the Shamokin Co and several Coal operators one of which asked for an Estimate of 25 lights to be installed at his ~~works~~ breaker. Mr Bussey Sec'y of the Co quoted him $500.— all done in a joke but the operator insisted that he was in earnest and wanted something that he could use.

The operator stated that he could need no shafting other than that already at the farm and the only thing needed was a dynamo, wire & lamps. What do you think best to do supply the dynamo & install the plant or insist that it was a joke personally I am not mixed up in the matter but would like to see Bussey able to supply the machine certainly there is sufficient margin to do so and it would "Paralyze" the operator. Whose name I do not remember. Truly yours

O T Bathen

1883-10-01

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa.

~~New York~~, Oct 1st 1883

Saml. Insull Esq
c New York —

Dear Sir —

With further reference to your telegram from Brockton today I would say that if you can manage to let me stay here till the middle or latter end of next week, I think it would be advantageous for this plant — up to present date we have only been able to run one dynamo on a two wire system, as one boiler leaks very badly, and Engineer says that he cannot keep up steam for two dynamos with one boiler — The expander came to hand today, but a part of it that

1883-10-01

Form L.

2

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

was needed to close the back tube was not sent, so another delay is incurred. We telegraphed immediately to Mr Rich at Lawrence to forward the necessary part — I want, if possible, to see the system in full and good working order before I leave, and also a good load of lamps on — There are three men at work here owning besides Mr Kirby, and they are doing very well considering that they have not had much experience — I have been rendering them all the assistance I could, as so many people are anxious to be connected —

Have you made any arrangement

1883-10-01

Form L.

3

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

for giving me help at Lawrence whilst fixing up Station ?— Kirby is very anxious to come with me, and spoke to Mr Edison about it— I do not desire to press this matter in any way, but would simply suggest that I think that money could be saved by allowing me the assistance of such a man who, after helping me to wire Station could go to wiring in the town, in the pay of the Local Company, and instruct others resident in the town to go on with the work, just as Kirby is doing here. I am writing this at his request, or rather mentioning the name in connection with the work

1883-10-01

4

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, 188

and he says he will be willing to take an offer from you as to remuneration From what I have seen of him, he seems to be a very steady reliable man and moreover a quick workman. I have taken considerable trouble in teaching him, and his work has always turned out well, and given good satisfaction by way of finish and appearance —

I think I shall be able to take hold of the meter business all right, but if Lawrence Station is as large as Shamokin, I could not undertake it single-handed except at a serious loss of time

Very truly Yours
W. S. Andrews —

1883-10-01

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa

New York, Oct 1st 1883

Thos. Edison Esq
New York

Dear Sir

Mr Floyd is very anxious to have the goods, the order for which you took to New York with you, Will you kindly hurry up Bergmann & Co about this matter?

Some parties here will not have their gas cut off, so they are obliged to tape the wire on to outside of gas fixtures. I think that in such cases, Kerite wire should be used, which having a heavy rubber insulation will much lessen the chance of ground — If you think with me

1883-10-01

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

in this matter, please instruct Bergmann & send 25 ft of No 18 Kerite wire with other goods

It is not safe to use our or dinary insulated wire on an uninsulated gas fixture. I am sure that this sort of work will give trouble in the long run

Very truly Yours
H. S. Andrews

1883-10-01

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Wordsworth Hotel
Staunton Va

New York, Oct 1st 1883

Samuel Insull Esq
c/o New York

Dear Sir

Enclosed a full list up to Sept 30/83
[illegible]
[illegible] and see if all expenses will be
[illegible] I wrote to you asking for a
[illegible] but have
not neither cheque nor reply — to doubt
this was an oversight — If you have not
already done so please [illegible]
[illegible] than $[illegible] by [illegible]
as I was considerable money here and
am quite out of cash —

I am glad to have to report that
everything is going on well here —

1883-10-01

Form L.

THOMAS A. EDIS

Central Station, Con

No. 65 FIFTH

New York, ... 188

[illegible]

Please don't forget my cheque and make it for $100 [illegible]

[illegible]

115

Oct 1/83

W. S. Andrews)
requests check for
$50.00 if Possible
$100.00

1883-10-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

National Hotel
Shamokin Pa
~~New York,~~ Oct 5th 1883

Saml. Insull Esq
c/o New York

Dear Sir

[illegible] fired all night now, and we ran this evening on the three wire system — This afternoon I ran all three dynamos, and tried our main switch for spare dynamo on bank of test lamps. Everything works perfectly about the dynamos and engine — I enclose a list of wiring material used in Matlock, — a list of material used in wiring three stores, done during Mr Edison's visit here, about which I will talk to you on Sunday, and also a list of outside wiring material left here

Yours very truly
W. L. Pedrew

[ENCLOSURE]

1883-10-09

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Form L.

Shamokin Pa

~~New York~~, ... 188

List of material used for wiring Shamokin Store during Mr. Edison's stay here

" 18 " "			3 ft
" 19 " "	5 ft	3/4 ft	3/4 ft
Key Sockets	23	11	8
Shades	17		8
Shade Holders	17		8
Ven. Main Cutout	1	1	1
Jap " "	7	1	7
Cleats	24		24
Screws	1050	250	450
Tape	[illegible]		[illegible]
Staples	1 lb	1/4 lb	
Insulating Joints	2		3
Temp. Fuse	12		6

[ENCLOSURE]

1883-10-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

List of wiring Material stored at
Mr Mullen's Machine Shop

[illegible] of Copper wire .3
1 do do do .32"

3 do Set of large Copper wire, packed
by Mr Chinson

418 large Glass Insulators
200 Small do do
285 Chestnut Insulator Pegs
1 Keg of Lightning

Outside wiring material at Central Station

2 Coil No 12 Gal. Iron wire
Lot of Scrap Copper wire Foundry Scrap

[ENCLOSURE]

416

Oct 5/83

W. S. Andrew

Encloses List of Wire used at Station

1883-10-07

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 7 1883

Samuel Small Esq
Dear Sir.
My account of expenses Oct 1-7 is as follows.
7 days @ $2.50 = $17.50

Recieved of Mr. Andrews $30.00 on acct. of expenses.

With regard to the [illegible] lightning rods the company wish to keep them here as they will certainly be used. They are all tested and ready for issue and I

1883-10-07

think it would be unwise to return them. There has been delay enough already and we do not care to be kept waiting because we are short of the proper rods for which reason it would be the better plan to keep them. Will send you in a day or so full details of the inside wiring of station, giving location of switches indicators &c with reasons for such arrangement. Mr. Andrews will give you an account of the disposition of extra wire.

Yours &c
Thomas P. Morgan

1883-10-09

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 9 1883

Samuel Insull Esq.

Dear Sir.

Should not a set of oil cans come with the Engines. There was a good set of brass oilers at Sunbury but here there are none. How is this. There are several one and two light consumers here - How soon will the two light meter be ready. By tomorrow's mail, will send you list of consumers - number of lamps &c. The company propose after to day, to run all night. Do you not

1883-10-09

think this rather premature, for after midnight the only lights on will be the few that are left in stores after closing.

Will you be kind enough to send me a cheque for my Salary for August and September and also send me a wire gauge - similar to the one Andrews has, and a speed indicator.

Yrs. &c.

Thomas P. Lonail.

#61

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 9th 1883

S. P. Donant Esq

Dear Sir

Yours of the 6th received

re - no Oilers

Yours truly

with engines

Shamokin Pa

12/10/83

1883-10-10

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
277	Cash to Paid		279

Received at 852 BROADWAY.

Oct 10 1888.

Dated Menlo Park

To Thos A Edison 65 fifth ave

Letter received dont come before Monday Shall here last night

M H Duty

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-11

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 11 1883

Samuel Insull Esq
Dear Sir.

The ampere meters for red & blue were put in position yesterday and are a perfect success, their reading being in exact harmony with that on the black wire. I send you a record of their action during the run of last night which may be of interest as showing how well the three work together.

Yours
Thomas P. Gorman

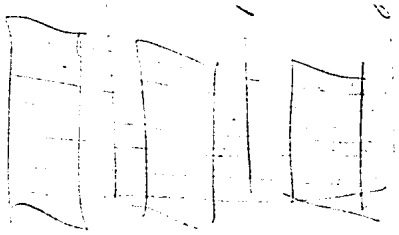
1883-10-11

Record of ampere meters.

7 P.M.	35 red	30 blue	5 black to red	
8 " "	20 "	20 "	0 " "	
9 " "	19 "	17 "	2 " "	
9-15 " "	15 "	15 "	0 " "	
9-30 " "	12 "	15 "	3 "	to blue
9-35 "	10 "	15 "	5 " "	
9-45 "	7 "	10 "	3 " "	
10 "	6 "	10 "	4 " "	
10-15 "	7 "	10 "	3 " "	
10-45 "	5 "	7 "	2 " "	
11	5 "	7 "	2 " "	
12 Midnight	7 "	7 "	0 " "	
12-25 a.M.	7 "	10 "	3 " "	
1 " "	5 "	5 "	0 " "	
1-30 " "	5 "	6 "	1	

Same indication up to time of shutting down at 4-15 a.M.

T. P. G.



#67

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. October 11 1883

F. P. Conant

re - Ampere meters
at Shamokin

A

1880-10-13

Statement Per October 13. 1883

The Edison Electric Illuminating Co of Stamford

To Thos. A. Edison

For the following Bill of Items as per Contract made May 4th 1883 and revised

		Dr	Cr	Cr
Engines	To Three 5½x10" Engines	2250 00		
	By 3=2½" Lubricators		7 50	
	" 6. Oil Pans @ 50¢		3 00	
	" 1 Coffin Oil Cup		4 20	
	" 45. Days Work @ $250		11 25	
	" Solder & Coal.		1 00	
	" 3=Tin Boxes		1 25	✓ 2820
	To Unloading & Setting up Engines	60 00		
	" Foundation Bolts	75 00		
	By Unloading & Setting up Engines		60 00	
	" Foundation Bolts		75 00	✓ 135 00
Dynamo	To 3. H. Dynamos & Machines	4050 00		
	" 24 Extra Brushes	36 00		
	" Unpacking & Setting up Dynamos	50. 00		
	By Unpacking & Setting up Dynamos			✓ 50 00
	To Belting for 3. H. Machines			
	" and Shafting Same	275 00		
	" Piping & Pans on Dynamos & Engines			
	To Catch Oil	10 00		
Boilers	To 1146 H. P. Double Furnace			
	Babcox & Wilcox Boilers without			
	Setting on Foundation	2800 00		
	To 1=Knowls Pump	200 00		
	By 1=Knowls " not furnished			✓ 200 00
	To Injector	90 00		
	" 300 Banks Test Lamps	75 00		
	By 50 " " " Short			✓ 12 50
	To Board & Wiring for Same	75 00		
	" 200. Banks Regulator 2 Each	200 00		
	" Minute Glass & Counter	5 00		
	By Minute " " " not furnished			✓ 5 00
Switches	To 12=Feeder Switches	75 00		
		10326 00		430 70
	" Switches for Feeder Regulators	25 00		
	" " " " " " Short			~~25 00~~ X
		10351 00		445 70

	Dr.	Cr.	
Amount Back forwarded	$1,4469 75		$2081 67
Tools & Work ordered by Johnson			
By 3 = 1½" Steel Bars & 1 = ⅞" Do 73¢ @ 16		11 68	
" Forging Bars 1½ hrs @ 60		90	
" 2 = Hammers 31# @ 33¾ 112 22 Forg Do 5 hrs @ 60 300		4 19	
" 2 = " 6½# @ 32 " " ½ hr @ 60 30		52	
" 1 = Steel Spur ¼# 04 Forg Do ½ hr @ 60 30		34	
" 1 = Band for Pots 1¼ @ 64 = 64 Forg Do 1½ hr @ 60 90		95	
" Filing & Riveting Spur 1 hr		45	
" 3 = Cast Iron Cups for Melting Steel		1 00	
" 2 = Grates for Iron Pots		1 50	
" 5½ Bus. of Charcoal		2 20	
" Bill of Sharpening Picks Zimmerman		2 55	
" J. J. Hunter Bill of Flag Stone for			
" Miss Catharine Marty		6 37	
" Hauling 6 Loads of Wire @ 40		2 40	
" " 7 " " " @ 40		2 80	
" " Boxes & Tools		40	
" " 17 Loads of arms from Mill @ 40		6 80	
" " 1 = Horse & Wagon Hauling			
Boxes from R. Cutler Building 1 hr @ 5		3 75	
" " 5 Extra Men to Handle Boxes			
" " 15 hrs Each @ 1663 Family		12 45	
" 2 = Solder Cups		1 00	
" Hauling 2 Loads of Wire		80	
" 7 " Boxes from D. Buckley		2 50	
" 5 " Tools to Shop		2 00	
" 1 " Wire		40	
" 1 Load from Shop to Depot		40	6865 ✓
Outside. Wiring Mains & Feeders	4420 00		
Pressure. Wires	75 00		
Sundries — To 1 = Pair Engine Crank Boxes	9 00		
" 2 = Phosphate Bronze. "	60 00		
By 2 " " " Returned			60 00 ✗
To Wiring for Station & Main Feeders	100 00		
" Lighting Station 18 Lights	50 00		
By 12 = Lights Short for Lighting Station			33 33 ✓
To Forms & Special Stationary			
" Connected with Business	50 00		
" Forms & Special Stationery not furnished			50 00 ✓
	$1933 75		2393 67

1883-10-13

		Dr.		Cr.	
	Amount Bal. forward	$1493 51			$4855 70
	To 3 Dynamo Switches for Chang Circuits	30 00			
	By 3 " " " " "				
	" not furnished				~~50.00~~
	To 10 House Changing Switches	75 00			
	By 6 " " " not furnished				450 00
	To 12 = Feeder Indicators	265 00			
	By 6 " " Short				132 50
	To 1 = Main Ampere Indicator	20 00			
Metre side	" 1000 Metres 12 Lights, 110 = 25 Lights				
Metre Room	" 10 = 50 Lights	878 00			
	By 1000 Metres 12 Lights, 110 - 25 Lights				
	" 10 - 50 Lights not furnished				1878 00
	To = 25 = 12 Lights, 10 - 25 Lights, 10 = 50				
	" Lights, 10 - 6 Light Meters	321 75			
	" 50 Extra Assorted Bottles	12 00			
	" 50 " Plates & Rubber Parts	32 50			
	" Retort Stand and Funnel	5 00			
	" Still for Water	20 00			
	" " " " Returned				20 00
	" 25 lbs Sulphate of Zinc, 10 Ex Mercury	13 00			
	By 20 " " " 5 " " Short				7 25
	To 2 = Hydrometers 350 & 1 Test Tube 50	4 00			
	" Balance for Weighing Metre Plates	100 00			
	" Druggist Scales with Iron Scoop	10 00			
	" 1 = Thermometer	2 00			
	" Box for Meters 31 X 15 X 6 Enameled	17 00			
	" 6 = 1 gal. Bottles	2 00			
	" 2 = Graduates 200, 8 Metre Bottles 1	2 00			
	" Sealing Set & 1000 Seals	6 00			
Temporary Fixtures					
	To 210 Temporary Fixtures				
	" Sockets & Shades	1374 00			
Outside Wiring					
	To Insulators, Cross Arms, and Poles				
	" on Outside Wiring	1558 00			
	By 24 = Poles Short of Contract @ $12.05		Less 24 @ 3.00 = 72.00		288 72
	To Digging Holes & Setting 127 Poles	352 00			
	By 24 = Poles Not Erected			66 52	
	By Painting 127 Poles @ $1.20			154 80	221 32
		$14469 75			2081 69

1883-18-75

	Dr.	Cr.	Cr.
Amount forward	$19233.75		$2393.67
To Wiremans Tools, Pole Climbers &			
" 100 Feet Rope.	12.00		
By Wiremans Tools, Pole Climbers &			
" Rope not furnished			12.00
To Sundries, Expenses Connected with			
" System, Traveling Expenses &c.	250.00		
" Freight on Goods	100.00		
By Freight paid on Goods			254.25
Starling Plant			
To Salary of Electrician @ $2 per day 30 days			
" " Mine Man @ $4 per day 20 days			
" to Track permanent Employees	260.00		
By 14 days Short on Electrician @ $60			84.00
To 100 pounds of Waste	8.00		
By 100 " " " not furnished			8.00
To 10 gals Cylinder Oil & 10 gals Machine Oil	19.00		
June 6 By Cash			
Sept 22 " "			48.02.25
			2000.00
	$19882.75		$9454.15
	30		30
	20121.75		25
Two Compensations			40
			60
			84
			9693.15

19882.75
30
25
40
60
84
20121.75
9454.15
10667.60

4802.25
2000
7667.60
14469.85

30
25
40
60
84
239

1883-10-13

Major Eaton,

I enclose you herewith letter from Mr. Conant, which will show you the state of the business in Shamokin. The lights on red and blue mean the lights on the A and B side of the three wire system. After my return from Sunbury, Shamokin and Williamsport the end of next week, I will give you a full report on all matters in relation to the business in Pennsylvania which may come under my notice.

Please return Conant's letter as early as possible.

S. Insull,

October 13th. 1883. per G. B.

[ENCLOSURE]

1223-10-10

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 10 1883

Samuel Insull Esq
Dear Sir
I submit the following list of consumers, giving the number of lamps in use to date.

	Red	Blue
W. H. Lowry	21	
Kulzner	6	
Bagley & Kuler	10	
J. Shimpless	8	
Bender		4
Mr. Chase		1
L. B. Shustin	3	
Shuman & Co.		10
B. J. Price	5	
J. A. R. Hall		14
over	53	29

1223-10-10

	Red	Blue
Forward	53	29
J. Lampton		6
J. Schaba		6
H. Rohrheimer	3	
M. Thomas		3
H. Lloyd	4	
Sanser Green & Co.		4
E. L. Band		3
M. Lommager		2
Totals	60	57

Total lights in district = 117
Number of consumers = 14
By the end of the week the number will have reached 150. We are placing the meters as rapidly as is possible and will begin the records on Monday next.
Kulzner is to have 12 more lights in his drug store

[ENCLOSURE]

1887-10-10

How soon will the new wire be along. People want to see some of it.

Perhaps it would be a good plan to send one of the new motors here. A great many questions are asked regarding them and matters might be simplified if we could show just what they are.

Consumers Ledger - Record sheets and meter cards arrived here in good order.

Two ampere meters, for red and blue arrived last night. Will put them up at once.

Yours, &c

Thomas P. Conant

Form No. 47

1883-10-13

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within thirty days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
M	W.	m	11 Pd	803

Received at 803 Broadway Oct 13 1883.

Dated Jersey Shamokin Pa. 12

To T. A. Edison

65 Fifth Ave

Ship immediately thirty six lights meters hurry forward lamps entirely out

W. H. Doughty

1883-10-15

Major Eaton,

I enclose you herewith statement showing the record of the ampere meters at Shamokin. There are three ampere meters, one on each of the three wires.

After you have looked over Conant's letter, will you please send it to Clarke, with instructions to send it to me after examining it.

10/16/83

Noted Contents
C. L. C

S. Insull,

October 15th, 1883. per G.

C B

1883-10-21

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 21 1883

Samuel Insull Esq
Dear Sir
My account of expenses Oct 14-21 is as follows.

7 days @ $2.50 per day	$17.50
Express on Chemicals	.50
Sundry & return	1.20
" Hotel	1.25
	$20.45

Please let me have a cheque for $50.00 on account of expenses

1883-10-21

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

I received yesterday a call from Mr. Stewart and some gentlemen of the Philliam Company. They expressed themselves as being highly pleased with the working of the plant. We are now lighting the residence of George Maily Esq with 18 - 10 c.p. lights. The wiring was done under the charge of Mr. Kirby and is a creditable piece of work in every way and the installation is perfectly satisfactory to the owner of the premises and has made

1883-10-21

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

quite a sensation among the Shamokinites. I have had no time to attend to the matter of the belts, but will ship them tomorrow. I wish that you would be kind enough to send me a speed indicator. It would be of great assistance to me in my work, as it is of the utmost importance to know whether or no the speed of the machines is constant. When do I return to the abode of civilization and linden sticks?

Yours &c.

Thomas P. Lorant.

Form No. 1.

1883-10-22

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
440	Cash	999	239

Received at **852 BROADWAY.**

Dated Shamokin Pa Oct 22 1888.

To Thos A Edison 65 5 ave

Will write you tomorrow has not yet negotiated them

M H Dooley

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-22

Shamokin Pa. Oct 22. 83

Thomas. A. Edison Esq

D. Sir.

Please inform me if you have Shipped the Pole Raising Tools

Yours Respect

John Mullon Jrs

B

1883-10-23

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Oct 23rd 1883

Thos. A. Edison Esq.

10. Fifth Ave N.Y.

Dear Sir

Your telegram of yesterday rec'd - I answered I would write you today - the bonds have not yet been disposed of - there are two parties who talk of taking them. I have to give them their own time to make up their minds - will see in the course of a few days - what will be done. Our plant for the last week has not been working satisfactory causing a great deal of complaint and dissatisfaction among our consumers - if the trouble is not remedied at once we certainly will lose our foothold and go back faster than we did in going a head when we started the plant. Send some person fully competent to right us without a moments delay

Yours truly

W. H. Douty Pres

Form No. 1.

1883-10-23

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
N 7	Cu	Am	Collect 235

Received at 852 BROADWAY. Oct 23 1883.

Dated Shamokin Pa

To Sam'l Insull
No 65 Fifth Ave

Letter mailed this morning
Conant

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Oct 24 1883

Thomas A. Edison Esq
Dear Sir.

Your telegram came this evening. I had already reported to Mr. Insull the trouble with the engine but had said nothing regarding others as they seemed only those incident to the starting of any large plant.

A few nights since, the lights on the blue side burned badly and the ampere meter showed that there must be a bad leak or heavy cross somewhere on the line.

1883-10-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

I at once went over the line and found that a stay wire sustaining one of the poles on Independence Street had become crossed with the pressure wires and was red hot. This was at once fixed and the trouble was over for that night.

On other night, a telephone wire fell across the pressure wires and made trouble for us but I had it removed as soon as discovered.

Last Saturday the lights were unsteady and I found

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

that on Sunday 8th. a tree had become mixed with the wires and owing to a heavy rain made a partial cross. The upper branches of the tree were removed and we had no further trouble until last night. Then it rained heavily and through the evening the lights were again unsteady. Today I found two more trees caught in the wires. One of these I had ordered removed before but it had not been done. Tomorrow morning every

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

tree that comes any where near the wires will be trimmed and if necessary removed. Wet weather and trees will explain much of the trouble. I find that some of the service wires have been run along the sides of houses and stapled on. This was done by some of the green men. I spoke to Kirby about it and he will have them placed on insulating hooks, clear of the buildings. The lineman formerly employed by the company, ran a service

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

of these mines, right over a main spout, without ever taping them. This I did not notice until yesterday when it was at once ordered to be changed. So might the weather is clear and dry and the light is working perfectly. One great source of trouble is that the average Pennsylvania Dutchman, expects about 1000 candles from a 10 c.p. burner and is too mean to pay for 16 c.p. which would perhaps light him up a little better. The pressure

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

indicators are not particularly reliable and are liable to indicate anything at any time. They seldom will run together for two nights in succession even if multiplied over on the same mines and object in the most peculiar way to returning to a constant zero. One of them rose to a temperature of 110° Fah. the other night and then calmly gave up the ghost. I found that the rubber tube on the mine that runs to binding post had melted off and things are

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

in a general mess. It was easily fixed up but it is hard to regulate with no better guide than this. I want a service brought in from the nearest main as I believe I could regulate better by a few lamps fed by this than by the present Volt-meter. There is a point to be noted right here. The new Volt-meters seem to be more sensitive to slight variations of pressure than the Sunbury style and I find that this is apt to scare the men so that they jerk

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

the regulator wheel around and perhaps do considerable in this way to make an unsteady light. They are getting over this but are still a little timid. I impress upon them the fact that if the pressure gets out, it must be coaxed back - not forced. All that is required is care and patience and I think that there will be no further trouble. I will however report to you every day.

Yours,
Thomas P. Lowrey,

1883-10-25

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Oct. 25th 1883

Thos. A. Edison Esq
65 Fifth Ave N.Y.

Dear Sir

Enclosed I hand you John Mullen Sons - Check on the Shamokin Banking Co. of Shamokin Pa one thousand dollars on account. Have sold one of the bonds, still have two on hand. Will dispose of them if we can if not will have to hand them over to you for the balance due. Have not heard from you in reference to putting our plant in proper shape - we are losing money for every moment delay - while it effects our Company. It certainly will strike you in many directions. I hope you will see the importance of giving this matter immediate attention.

Yours truly W. H. Douty Pres

1883-10-25

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Ok

Shamokin, Pa. Oct 25 1883

Thomas A. Edison Esq
Dear Sir

In spite of a slight opposition from one or two worthy inhabitants, the last lines have departed and tonight although it is raining, the system works perfectly and I have no very great fear of further trouble.

Our load tonight at eight P. M. was about two hundred lamps. I think that by the end of next week I can leave here with perfect safety as the men

1883-10-25

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

will by that time be fully accustomed to the station routine and ought to be prepared to meet accidents.

Mullen could not attend to the engine today but will do so tomorrow. We are lighting Donly Hall tonight, the occasion being a grand cake walk by the colored belles of this carboniferous section.

Yrs &c.
Thomas P. Morant.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
25	Col	B Paul	886

Received at 791 BROADWAY. Oct 29 1882.

Dated Franklin Pa 27

To Thos A Edison 65 5 ex

Slide valve in steam chest of engine broke last night. Send one immediately

John Mullen

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Steam Engines, Coal Breakers, | Mine Pumps, Drift Cars. | Forgings, Fans, &c.

1883-10-27

OFFICE OF SHAMOKIN IRON WORKS. JOHN MULLEN.

Shamokin, Pa., Oct 27 1883

Thomas A. Edison Esq
New York

Dr Sir

I wrote you this morning that the slide valve in Steam Chest of One of the Engines broke last night and that you should forward one immediately, you will also please send One Extra One along with the one wrote for.

RECEIVED
OCT 31 1883
ANSWERED
Oct 31/83
FILE NO.

Yours Respect
John Mullen & Sons
J L B.

ordered by telegraph Oct 29/83 AH

Form No. 1.

1883-10-27

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
1054	Corson	Callister	

Received at 852 BROADWAY. Albany 1888.

Dated Shamokin Pa

To Thomas A. Edison

65 — 5 Ave NY

Send value soon as possible

Corant

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-29

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Oct. 29th 1883

Thos. A. Edison Esq
65 - Fifth Ave N.Y.

Dear Sir

My Floyd informed me this morning you had sent on a man to do some wiring with the new System or Cable wire. While in N.Y. at Bergman Co's placed Met Mr Johnston who showed me the Cable - and told me at the same time that the New York Underwriters had not yet adopted or would allow it under Fire Insurance - That being the Case - we do not want any of it put up in this town untill adopted by the Underwriters for what Effect you in N.Y. in that respect Effects us here and you will find it so all over the U.S. The sooner you have it allowed by the U - the better for all interested.

Yours truly
W H Douty
Pres
E.E.L. Co of Shamokin

P.S. Plant is working better - Now them for the last 10 days - have 248 Lights x 6 Months wiring under is Slow work - W H D

1883-10-31

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Let him make map
New line
Shamokin Pa. Oct 31st 1883
with pole
Thomas A. Edison Esq
Dear Sir
Log can then send him
size wire
The value came duly
to hand and was placed in
position yesterday so that we
were able to run the engine
on the line last night.
Things are running smoothly
and I shall be glad to have
here as soon as possible. The
town is now wired for about
250 lamps and orders are
coming in constantly. It
will be necessary to run a
special line up on the hill
between Market and

2

1883-10-31

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

Shamokin St. Brock is making
an estimate of the number of
lights to be supplied. I suppose
that we can tap the mains
on Independence or Market St
and run to about the centre
of the proposed district, then
branching off with a
supplementary main in both
directions. Is this the proper
way or shall we simply
run the main and tap
for lights wherever required.
Now how is this to be calculated.
as I understand it, you
consider the lights as equal

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

weights acting at points along the main considered as a lever. The centre of gravity of this is then determined and the main calculated as to carry the total number of lights that distance by making resistance of main proportional to allowed drop, keeping in view the limit of safety i.e. 2½ amperes per 1000 circular mils. By the way, what is exactly the drop on feeders and mains respectively. The new wire is liked by most of those

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

who have had its use explained by Mr. Walker, but consumers are as yet, afraid it will interfere with their insurance,

Yrs &c

Thomas P. Lozant

1883-11-04

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 4 1883

Thomas A. Edison Esq
Dear Sir
I am in receipt of a letter from Mr. Mann, in he hauls me over the coals for refusing orders which he claims never were issued, and doing so without consulting him.
He also tells me that my theory was altogether wrong as in the week after I reduced the pressure more lamps were broken than during the previous week. How reducing the pressure can increase breakage is beyond my comprehension and I

1883-11-04

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

suppose he means that the trouble is defective lamps rather than bad management. Mr. Mann requests me to come to Sunbury and look into the matter again, as he says the new lamps are no better. With regard to the order to run at high candle power, the engineer now tells me that he mis-understood Mann who it seems (according to the revised edition) simply told him to keep the lamps up to 10 candles. I will see Mann again as soon as possible and see what can

1883-11-04.

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

be done. I may have been a little previous in reporting the order without consulting him, but it was given to me as a positive fact and I reported it as such. To return to the fair vale of Shamokin. The B engine will run smoothly for several hours and then without any change of load suddenly begin to see saw sending the light way up and then letting them drop out of sight so that we have to run the spare machine in place of it. Why is this

1883-11-04

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

The governor stuck badly some time ago but that was fixed and the engine went all night until a night or so since, when it developed this very peculiar trick. The eccentric strap does not seem to bind and the parts of the governor do not rub but I notice the engine turns over hard. Can you give me any points on setting the Armington governor. It may be that the valve is not set properly and we will look into this tomorrow. Having no speed indicator I can

1883-11-04

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Dear Weaver at Jo on

Shamokin, Pa. 188

not say whether or no the engine is running at its proper speed. I sincerely hope you will not find it necessary to retain me in this wile country much longer. I think it only fair that the men who have been luxuriating at Brocklin should have their turn with Pennsylvania steak.

Yours &c

Thomas P. Lonergan

[INCOMPLETE]

1883-11-09

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 9 1883

Thomas A. Edison Esq

Dear Sir

With regard to the letter from Mr. Hanlin enclosed in yours of the 7th inst I would say that the complaints mentioned were due to the lights on the blue side going up and down for a few moments on Saturday evening. The engine had behaved well on test in the afternoon and in the evening ran without a wink until 9 P.M when without the least change of load or boiler pressure, it ran away

[ATTACHMENT]

1883-11-05

Office of

W. H. DUTY,

DEALER IN

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Nov 5th 1883

Thos Edison Esq

65 - Fifth Ave N.Y.

Dear Sir

Our plant is not working satisfactory there is something in wrong somewhere and for the good of yourself and our Co. I think should have immediate attention our Consumers are complaining. Saturday Night about 9 o'clock the lights jumped considerable this should not be the same repeated the better. please give it your attention and oblige

Yours truly

Wm H Duty Pres

E.E.L.Co. of S.

1883-11-11

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 11 1883

Samuel Insull Esq
Dear Sir
My account of expenses Nov 1-7 is as follows.

7 days @ $2 50/100 = $17 50/100

I hope that things will soon be in such shape that I may avail myself of your invitation to partake of a digestable meal but can not say just when that will be, as the Ormington-Sims man seems to have more trouble than he expected with the

1883-11-11

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

sick engine. Thursday night it ran without a hitch. on Friday however when we tried to start up it began to race and we were compelled to use the spare instead. Saturday we worked over the engine all day, reset the valve and readjusted the springs. In the evening it ran perfectly until about 10-30 P.M. when it ran away again and behaved so badly that we had to put on the spare.
The Ormington man has sent for a pair of new springs.

1883-11-11

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

and thinks that may cure the trouble. I sincerely hope it will. The light gives satisfaction and bills are paid promptly. As soon as all collections are made I will send you the amounts and also the running expenses as nearly as may be.

Yrs &c.

Thomas P. Lamont.

1883-11-12

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. No 12 1883

Thomas A. Edison Esq
Dear Sir

Last night we put the B. engine on the line and it worked perfectly, the governor acting so well that it was not necessary to touch the resistance box, except to regulate very slightly owing to some sudden changes in the load.

If it does as well tonight it will be safe to say that the engine is at last in good order. Everything else is in good shape. Several parties intend using the new wire

1883-11-12

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

and wish it put in at once. The tap cut-outs for this are very rough and only a few of them are finished nicely. Mr. Walker told me that they would be provided with covers so as to be to a certain extent ornamental. These covers have not yet arrived, neither have the small vertical mains which I understand are to be used with the new system. We ought to have these at once so that we may show the complete system to the consumers. I have not yet

1883-11-12

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

received the map of Shamokin
but suppose it is on the way.

Yrs &c

Thomas P. Logan

Form No. 1.

1888 11-14

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
7	Co Am	10 PM		9 48

Received at **852 BROADWAY.**

Nov 14 1888.

Dated Shamokin Pa

To Thos. A. Edison

65 Fifth Ave

Our plant is working badly send us a new Engineer

Wm H Doughty

Great

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 14 1883

Thomas A. Edison Esq
Dear Sir,
I have to submit the enclosed table of receipts of first 15 days record which is I think not a bad showing up for a new station in such a hole as Shamokin.
Yrs &c
Thomas P. Lozant

[ENCLOSURE]

1883-11-14

Receipts of Shamokin Station

Oct 15 to Nov 1	Lamps	Bill.
W. H. Dority - store	31 10	$10 58
G. A. R. - Hall	14 10	3 36
E. Sharpless - store	8 10	2 40
G. McClure - saloon	1 10	78
Shuman & Co. - store	10 10	4 74
H. Rothschild - "	3 16	1 30
L. B. Shuster - "	3 10	1 56
A. G. Marr - office	2 10	37
E. L. Faul - saloon	3 10	1 11
E. Mullen - store	3 16	1 95
B. Haupt "	2 10	72
W. J. Gable "	5 10	1 80
A. Graeber "	4 10	2 11
✓ Miss K. Maltz - residence	1 10	48
Culp & McWilliams - office	5 10	2 45
W. A. Jones - "	3 10	75
✓ W. H. Talbot - saloon	2 10	1 50
✓ Geo. Maltz - residence	16 10	1 62
Joe Wolf - store	1 22	4 62
✓ Jos A. Bickert - saloon	2 22, 5 16, 7 10	7 52
Geo. Marshall - Mill	13 10	2 17
H. Rohrbacher - store	3 16, 3 10	3 90
J. Lowe "	2 10	1 30
H. Floyd "	5 10	92
✓ J. Shabo saloon	1 22, 3 10	11 82
D. Bender store	4 10	1 28
✓ J. Campton "	6 10	3 63
over		$76 74

[ENCLOSURE]

	Lamps	Bill
Brought Forward		$76 74
M. Thomas - Gallery	3/10	57
✓ B. S. Price Store	5/10	4 74
Bagley & Kuler "	10/10	6 22
Sanson Brown & Co "	8/10	4 80
✓ W. R. Kuhjan "	27/10	21 00
Total		$114 01

Those marked ✓ have not yet been collected. There is however no doubt as to their payment.

There are also installed the following - whose records have not as yet been taken.

L. S. Geiger - Post Office -	3/10
Phil Thomas - Store	4/10
Mrs. A. Brown "	8/10
A. Robertson - residence -	11/10
W. Crane - Office	4/10
J. Rombeiger - Store	3/10
J. Monroe - "	4/10
Primitive Methodist - Church	10/10
St. Edwards "	1/10
J. H. Bailey Store	14/10
Dr. O. M. Robins - residence	5/10
J. W. Lambertson - Office	2/10
J. John Store	1/32

Number of subscribers	45
Total number of 10 c. p. lamps	277
" " " 16 " " "	14
" " " 32 " " "	4

1883-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 14 1883

Thomas A. Edison Esq
Dear Sir.

This evening the engine went badly again and the company refused to have it again put on the line. A pair of new springs came to hand today and upon the engine showing its old tricks, I put on the new springs in place of the old, making the adjustment as directed by Blanchard, the Annington man. This seemed to steady her a little but on a test made today in the station, the voltmeter showed

1883-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

a regular variation of about 20 volts. If a man stands over the engine all the time and another at the resistance box it is possible to keep this down slightly. What troubles me is that at times she will run perfectly for several hours and then suddenly go to pieces, running first at a terrific rate and then almost bringing up short. This would show that the regulator sticks somewhere but where, we can not determine. The main point is that something must

1883-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

be done quickly to cure the evil.
The prospects of the plant are excellent but with this bete-noir hanging over us we are liable to come to sudden grief and therefore no time should be lost in giving this engine a thorough overhauling and if necessary sending on a new regulator. Blanchard pronounced it in good condition: and it apparently was but it is evidently wrong out now.

Yrs &c

Thomas P. Rossant

1883-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. No. 14 1883

Thomas A. Edison Esq
Dear Sir

The engine went without a hitch Sunday and Monday nights, so on Tuesday morning the Ammington man took his departure. Last night when we came to start up the engine behaved very badly again and being unable to steady it we used the spare instead.

Later on we were able to start it and put it on the line. I think very

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

probably it was not warmed up enough at first as we were delayed a little in starting. There was no further trouble. The engine has been put in first class shape but seems to require a tremendous lot of oiling. To-night will show whether the trouble is cured or no and I think that with good oiling and fairly close attention generally the engine will work all right.

I put in a good word for the engine because several of the company were present

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

when she kicked and were strongly in favor of throwing it out and ordering a new engine and I imagine that by this time you have received a communication regarding the case in point, from them. The armington man told them that what they needed was some "vacuum oil" and some of this has been ordered. I do not know how good it may be, but he says it will make the governor work perfectly. Every thing else is in good shape and

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

I hope that by tonight the engine difficulty will be a thing of the past. Please forward that map because the poles will be up in a day or two and they will want the wire as soon as possible. Also inform me regarding the small vertical mains for new wire and corners for taps, as several parties are waiting. This is a matter of vital importance to the parties in question for the reason that their wires refuse to "clean house" until

1888-11-14

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

the new mine is in, so that it will be a deed of charity to send on the various pieces necessary to complete the system.

Yours

Thomas P. Lonergan

1883-11-14

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
417	Tel	paid	717

Received at **854 BROADWAY**

Dated Nov 14 188

To Thos A Edison

Manokin pa 14

65 Jar my

Engines are on Car and will be shipped to providence tomorrow

Wm M Brock

This telegram has just been received at the office in 854 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-15

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 15 1883

Samuel Insull Esq
Dear Sir

In answer to your telegram received today I would say that the trouble referred to by Mr. Dority is that of the engine of which I have already informed you. So far as the light it's self is concerned, there is absolutely no difficulty and the parties using it are satisfied. Some considered their bills a little high, but admitted that owing to it's novelty, they had been somewhat extravagant

1883-11-15 2

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

in their use of the light. This matter of the engine is one of great seriousness and we must try to correct it at once. To restate the story, the facts are as follows. Some time ago the engine after running smoothly for several hours, suddenly and without change of load or boiler pressure, started to run up to at least 400 revolutions per minute thus sending the E. M. F. way up and having done this in spite of resistance thrown in to

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

oppose it, dropped as quickly and so rapidly that it was impossible to take out field resistance soon enough to keep the lamps any where near candle power. Finding this continue I at once threw on the spare and proceeded to investigate the probable cause. I found that the governor stuck badly and located the stick in the flange on the outer eccentric. This was taken off and scraped time we were then able to use the engine again.

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

She went perfectly for about a week when she again showed the same trick. The governor was again taken apart and every piece examined all bearings showed signs of wear being scraped. After this it went fairly for a while and then became entirely unmanageable, racing as soon as we tried to start.

Any engine may race a little at starting but will steady in a few minutes. This one however would

1883-11-155

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

keep it up so that it was not safe to put it on the line. Throwing on a load either suddenly or gradually had no steadying effect as this was tried with the test bank with no success.

Then Blanchard of the Ammonia Co. came here and succeeded in getting things in such shape that we could throw two lamps on and off without the engine showing it. This was taken as a sufficient test and the engine was put on the

1883-11-15 6

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

line. It ran until 10 P.M. perfectly and then went to the bad again. He at last fixed it up so that it ran two nights without a kick and feeling satisfied, went away. The very next night it raced furiously at starting and yet the engineer was extremely careful to follow Blanchard's directions to the letter. We used the spare in its place until about 4 a.m. when as an experiment I put it on the line and it worked perfectly. I then

1883-11-15 7

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

thought that perhaps when we tried it at first, it was not warmed up enough so in order to satisfy myself had it started up in the afternoon, an hour before it would be necessary to put it on the line. It ran very badly and nothing would steady it. I then thought that if I could once get it steady it might stay so. I therefore started up the spare and multiplex and the time. This made it steady but as soon as the spare

1883-11-15 8

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

was taken off it ran away again. I then shut down and put on a pair of new springs. This seemed to improve matters but it still showed a regular-periodic variation, the needle of the volt-meter swing with a pendulum motion through about 10 or 20 volts. I let it run this way for a while until finding it not improved, and it being time to light up, I shut down and for the evening run used the spare in its place. as

1883-11-15 9

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

already stated it will at times go all night but as it is liable at any moment to stick I think it unsafe to use it on the line. The electrical part of the plant is all right and just as soon as this engine is in order the plant will be complete in every detail.

The condition of this engine is however a might more to us for in case of a break down it would be necessary to crowd the whole load on one machine

1883-11-15 10

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

and remove all of the meters on one side of the system as by reason of being unable to use the "B" machine, we are without a spare. I have given you the whole story and trust you will find speedy means out of the trouble. I may mention that the valve is set correctly, so that has nothing to do with it. Let me hear from you soon.

Yrs &c

Thomas P. Lovant.

Form No. 1.

1883-11-17

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
338	Busy	13 Coll	

Received at 852 BROADWAY.

Dated Shamokin Pa Nov 17 1888.

To Thos A Edison

65 5 ave

Shaw and Blue laid up have armington sims send man at once

Conant

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-17.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
573	Busy	13 Pd	

Received at 852 BROADWAY.

Dated Shamokin Pa Nov 17 1888.

To Thos A Edison

What are you going to do with our engines two out of use

Wm H Doughty

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188 3

Thomas A. Edison Esq
Dear Sir

The running expenses pendium during 15 days run were as follows.

Coal 1¼ tons @ 654 =	$ 0.81
Oil. 1 pts engine @ 40¢ per gall =	.15
1 " Valvoline @ 60¢ " " =	.075
Waste, coal oil, &c	.01
Labor	3.33
Chemicals	.10
Lamps	1.00
Water @ $60 per annum =	.16
	$ 5.635
	.15
	271.5
	563.5

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

A great part of the lamp breakage was caused during the nights when our engines ran away from us and sent the pressure up. During the next 15 days I expect a marked improvement in this direction.

Yrs &c,
Thomas P. Lozier.

Mr. Randolph

Has Consent been obtained with this?

Talc

RECEIVED
NOV 25 1983
ANSWERED

FILE NO. 188

Enclosed expense account

Nov 21 1983

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 14 1883

Thomas A. Edison Esq.

Last night when we came to start up, the spare engine behaved very badly and the engineer was unable to steady it so that as the company had ordered us not to put the blue machine on the line, it was necessary to couple the "a" & "b" sides on the "a" machine. Under this condition of things I sent you a dispatch asking to have a man sent here to examine the engines. The

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

point is just this. The company having seen the engines kick and send the light up and down, will refuse to pay for them until satisfied that they are in perfect condition

The spare seems to be all right as later in the evening I started it without trouble and put it on the line. The blue machine also I started up and put on the line. This can hardly be taken as a fair test as there were but few lamps on at the time. However the

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

ran perfectly until 7.30 a. m. What I fear is that at any time it may suddenly run away as it has done before. I shall try it tonight on the line keeping the spare ready to throw on at a moments notice and if it goes all right I think we may risk it tomorrow with a heavy load. Putting new springs on the blue and by degrees tightening them to bring her up to the proper speed, seems to have vastly improved matters. I sincerely

1883-11-18

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

hope that by the end of this week everything will be running smoothly. The only pleasing side to this engine question is that it has given the men a very varied and highly practical idea of the use of changing switches &c. Will report further results tomorrow.

Yours &c

Thomas P. Leonard.

1883-11-19

Major Eaton,

I got this the other day from Shamokin. You will see that for the first fifteen days the receipts are $114. This would give $228. a month. The wages at the Shamokin station are about $100. a month, coal has cost them very little. I have been holding this statement in order to send with it a statement of expenses for the same period. This, however, has not yet come to hand, but I shall doubtless have it within a day or two, when I will send it down to you.

S. Insull,

November 19th. 1883. per G. D

Form No. 1.

1883-11-19

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
488	Dw	Ly	S Coll

Received at **852 BROADWAY.**

Nov 19 1883.

Dated Shamokin Pa 19

To Thos A Edison

65 5 Ave

Bells shipped said Bergman two weeks ago.

J Conant

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-19

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 19 1883

Thomas A. Edison Esq
Dear Sir.

Your telegram came last night. I am glad you have ordered a new engine as this seems the only way out of difficulty. In spite of my hopes to the contrary, the blue engine played its old capers again last night and it will not be put on the line again. I shall hope to see the new engine and the ammonia man shortly arrive.

Thomas P. Lonardi.

1883-11-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Nov 24 1883

Samuel Insull Esq
Dear Sir

My account of expenses Nov 14-21 is as follows.
7 days @ $2.50 = $17.50

Armington sent an other man here and by working over the engines for nearly a week he has put them all in first class condition, so that we need not use the new one. He says that the trouble was plain enough to one familiar with the engine and he does not

1883-11-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

understand why the other man missed it. I shall keep him here until Monday by which time we can be sure how the thing will turn out. The difficulty was a hard spot on the main shaft which when heated by several hours run would expand and cut into the excentric causing it to stick. The engine has now run for three nights during which time it has hardly been necessary to touch the regulating resistance.

1883-11-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

He has also overhauled the other engines and the plant now seems to be in perfect condition. I shall return to New York Wednesday and devour a civilized Thanksgiving dinner in order to have up my long suffering stomach for the shows that are yet to come and will be at 65 Fifth avenue on Friday to receive orders. Floyd is at present in Philadelphia. I spoke to his book-keeper about mining Alt. Lammel &

1883-11-24

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. 188

Bellefonte. He said that in all probability Floyd would take Alt. Lammel if he could change consumers the price of materials & labor but that on the basis of $2 1-6/100 a light he would have nothing to do with it. The other place is 156 miles from here and I do not think Floyd will care about it. However he will return either tonight or Monday and I will see what he has to say.

Yrs &c

Thomas P. Lockart.

1883-11-28

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Nov 28th 1883

Thomas A. Edison Esq.
65 Fifth Ave. N.Y.

Dear Sir-

Your letter 24th inst to Mr. Mullen Treas. handed to me to answer - Who ever wrote the letter and examined the a/c - it being in front of him at the time of writing - by referring to said account again and examine it closely will find he has made a grand mistake - his statement is altogether in Error. by comparing the account settled with Mr Insull and the Original Contract you will see we paid you for 250 Temporary fixtures & Sockets and Shades. So far as the receipt you have from me - I do not question - I received the goods shipped here for your accomodation and benefit and did it at your special request. I never counted any of the goods sent here presuming

1883-11-28

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

To T. A. Edison Shamokin, Pa., Nov 28th 1883

Everything was correct. all I did was to have a place to store them away until they were wanted - and sent you receipt as received for you not for our Co - without knowing what the packages contained - However that is a small matter, you say nothing about the 150 temporary fixtures returned to Bergman & Co they refuse to allow us credit on our account and refer us to you - what are you going to do about them - Mr. Bergman is writing you I think should of mentioned about the 150 fixtures returned, and if they did you certainly should of said something - give us the sweet with the bitter.

Yours &c

W. H. Douty Pres't
E. E. L. Co of Shamokin

1883-12-04

Shamokin Pa 12/4-83

Th A Edison Esq

Dear Sir

I understand you are getting out a new Pressure Indicator with which this station is to be equipped. We would like to have this Sta furnished with them soon as possible as those we now have are not worth a D— One night they will all work in unison, The nexth it is a "Go as you please" indicating the devil only knows what. Sometimes they indicate normal or high pressure while the candle power of Lamps is so low that ordinary print can be read with difficulty, This does not often occur but when it does it is very annoying and to be sure that we are some where near the C power we keep pressure pretty well up. Every thing else working nicely. Please advise soon and oblige Yours Very Respectfully

W H Doutt Supt

1883-12-06

Shamokin Pa. Dec. 6. 1883

Saml. Insull Esq.
65 Ave 5
City

Dr Sir

I am in receipt of yours of the 5th inst. asking for a statement of the working of our plant &c. which I will give as well as I can at this time.

As you are aware our plant is of 1600 ten candle power capacity, and has been running about one month and a half. we now have some 400 lamps connected with orders from parties in all parts of the town to be wired, our average No of lamps in circuit for last month was about 2210 out of the 400 connected.

Our Expense for running plant per month is as follows. Electrician 60.- Engineer 60.- and fuel for steam about 45 Tons at 60¢ per ton. Our receipts for last month amounted to $252.- Our bills for last month were presented today to our consumers and all without an exception were well pleased with the light and cost, in face of the old Gas. Co. using every means of fighting us to the bitter end, and offering extra inducements for new consumers to take the gas. they offer

1883-12-06

to place in everything ready to light free of cost this of course will for the time being give them a few straggling Consumers, but eventually their light must go out of Existance.

When we run up to the full capacity of our plant (which may take us a year or ~~two~~) I dont think there is a doubt but what we can declare a dividend of at least 40% per annum

Very truly Yours

Wm H Doty

Pres. Edison E. Illuminating Co of Shamokin Pa.

1883-12-13

We shall send new
Indicators soon and also
price of regulator for the abo
Shamokin Pa 12/13-83
Th. A. Edison Esq
Refer the letter to Mr
Andrews to furnish drawing
for regulator for the abo

Dear Sir

The proprietors
of the Opera House of this place have
been for the past two months looking for
an estimate on cost of Regulators etc, which
I believe you promised to furnish. They
are well pleased with the light in their
area, and are very anxious to have their
Opera House illuminated with it, but as
yet have not been able to get at probable
cost of introduction. By furnishing the above
estimate as early as you possibly can, you
will greatly oblige us. In the matter of our
Pressure Indicators we are perfectly at sea
with them. Mr Howell of the Lamp factory
was here a few days ago, and found by
Galvanometer tests that we had a pressure of
109 Volts while our Indicators indicated from
108 to 110. Very Respectfully Yours

W. H. Dority, Sec

1883-12-19

Weaver's National Hotel.

C. A. JOHNSTON, Proprietor.

Shamokin, Pa. Dec 19th 1883

Thos A. Edison.
65 Fifth Ave.
N. York.
Dr Sir
Mr J. F. Kirby.
who is now in Lawrence
Mass and has charge of the
wiring the Houses there, while
in Shamokin. Pa. boarded with
me while here. He contracted
a bill for board &c amounting
to $11.25/100, when he left here
I met him at the depot
on Saturday when he promised
me to send me a Post Office
order for the amount, as yet

I have not seen him or the cash. I consulted Mr W. H. Doutz of this place and he advised me to write direct to you, and that you would get it for me. If you can do anything for me I certainly will thank you for it.

Very Respt

C. A. Johnston.

Shanokin, Pa.

You can write Mr Doutz in regard to the Gentleman.

Steam Engines, Coal Breakers. | Mine Pumps, Drift Cars. | Forgings, Fans, &c.

1883-12-26

OFFICE OF SHAMOKIN IRON WORKS.

JOHN MULLEN.

Shamokin, Pa., Dec. 26 1883

Thomas. A. Edison Esq
New York

Dear Sir

Please inform me if you would not dispose of five thousand Dollars of your Stock in your of the Edison Electric Illuminating Co of Shamokin Pa., as we have some influential persons in Shamokin, that we would like to get in our Company here as Stockholders as I think they would be a great benefit to our Company as we have a hard Fog with the Gas Company here and want to carry them out

Yours respectfully.
John Mullen Jones
J.O.B

1883-12-28

Shamokin 12/28-83

Edison Machine Works

Gentlemen

Please send to the E E I Co of Shamokin Pa (soon as possible) One dozen Rawhide Washers for Commutator end of shafts for 2K Dynamos used at this sta. What is the smallest size Motor made by you Also please give price for same. The regulating stem of one of the small oil cups of Dynamo was broken when received. Please send new one for it & oblige. Also give price of Brushes Yours Very Respectfully

Wm W. Brock
Mngr
E E & Co

If you have catalogue & price list of materials etc would like very much to have one.

WB

1883-12-29

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa., Dec 29th 1883

Thos. A. Edison Esq
65 Fifth Ave N.Y.

Dear Sir

Your favor 27th inst. received today. We also received letter from you by Mr Insull dated Nov 29. which we treated with Silent Con=tempt. Simply because there is no sense in the Calculations made therein - I was not taught Mathamatics in that way (I may have had bad teaching) If you will refer to your letter of May 9th 1883 and compare that letter with his of Nov 29. You will see the folley of his - Calculations - If you will also refer to May letter as to the debth of the holes you required us to put them down - And say you were right - We must say our plant so far as that part of its Construction is Concerned is not put up-

1883-12-29

2

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

To T. A. Edison Shamokin, Pa., Dec 29th 1883

to Standard and we are at a loss of just so Much - for None of the holes were put down more than five feet - In settling with Mr Insull for you I brought that point to his Notice - his reply was an Evasive one - saying Mr Johnston understood his business and if not necessary to be put down to that debth - there was no use of doing it - I only refer to this as a fact what we would of been required to do - You failed in doing. We also received two or three letters in reference to Temporary fixtures (that is as to Shortage) that was anything but business in them - Now as to the Matter of the 150 Tempt. fixtures returned to you - we think you are in Error and that you Charged us at least 56 cts Ea - if not more which we here give you figures for

1883-12-29

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

To T. A. Edison Shamokin, Pa., Dec. 29th 1883

250 - Lenf. Fixt Sockets & Shades Cost us

as per Contract & Settled for #394.00

a single fixture would be #1.57 1/2

We purchased Sockets @ 90 less 30 .63

" " Shades @ 38 " 30 28 6/10

" " Holders @ 22 " 30 15 4/10 101 1/2

Leaving for Fixtures -56¢

Which we ask you to pay - or Explain why Not.

The letter you refer to as writing us on the 27th

saying you had asked us to send you check for

#2050 - & C - has not yet come to hand - when

it does we will answer it -

Yours truly

Wm H. Douty Pres't

E. E. L. Co of Shamokin

Form No. 1.

1883

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK

Received at _____ 1888.

Dated Shamokin Pa

To Sam'l Insull

If absolutely necessary can leave here next Saturday but would rather remain till Wednesday or Saturday following if possible why don't you send check W. J. Andrews

(1883)

(New Bill Head)

Edison Electric Illuminating Company.

Shamokin, Pa. 188

M. .....

Premises No. ..... Street

To the Edison Electric Illuminating Company of Shamokin.

For Electric Light Supplied from ..... to .....

..... Standard Lamp hours at ..... per M. $.....

(a 10 candle lamp burning one hour = one standard lamp hour)

&c. &c.

In place of standard candles, I would use the term standard lamp hours as being more convenient and would give the price either at so much per thousand lamp hours or per single lamp hour.

The fact of using "candles" as in the Sunbury form, entails extra work and hence loss of time on the meter man. Lamp hours would be much better.

The column in the Consumers Ledger which is at present devoted to standard candles should therefore be called in future - standard lamp hours - and the column now

given up to "price per thousand candles", should be " " " lamp hours or per single lamp hour.

Otherwise the system is O.K.

I have looked over Mr. Lemard's letter.

Most of his difficulties have been reported before and should by all means be corrected.

The idea of having the screws in the metal made with a taper point is an excellent one as it is often difficult to start the present screw.

As to the sink, I see very little trouble with that as it is entirely unnecessary to pour sulphuric acid into it in any quantity.

Why he should deliberately pour Ammoniac & Iodide in to the sink in sufficiently large quantity to do any mischief at all is rather a poser.

I have not as yet found your Keys.

There is very little use for me

to remain here longer than this week, as the men run the station alone and the motor department is in good working order.

With regard to Sunbury, the breakage is about 2½ per week. This is rather high but the lamps are not above nominal candle-power, and the trouble may be with the lamps themselves.

I return the Lowndes letter.

Yrs. &c.,

Thomas P. Conant.

(1883) 1

Shamokin.

6 St Mch	G. McAlister	- Saloon	1	
" " "	G. Shaffers	- Notions -		4
25 " "	W. H. Dowdy	- General Store -		21
6 " "	Bagley & Fuller	- " "		10
" " "	C. B. Shuslin	- Jeweller		3
" " "	B. J. Price	"		5
12 " "	Shuman & Shuslin	- Dry Goods -	10	
" " "	G. A. R. Hall		14	
6 " "	J. Bender	- Butcher	4	
" " "	Jno. Compton	- Brewing	6	
" " "	Jno Schabo	- Hotel	4 1-32	
	A. Marr	- Farm	2	
	M. Rohrheimer	- Tailor		3
	Jos. Wolf	- Store	1 32	
" " "	M. Thomas	- Photographer	3	
" " "	Sauser & Zimm	- Stones	4	
" " "	Jones	- Barber	3	
	B. Haupt	- Butcher	2	
	E. Mullen	- Organs	3	
	Kulp & McWilliams	- Office	5	
25 " "	W. R. Kulp	- Drugs -		29
	Wm Gable	- Store	6	
6 " "	H. Lloyd			4
	Total		72	43

Total number of lamps - 155
" " " Consumers - 20

Shamokin. (1883) 2.

orders to be filled

Squire Jones -	3
Jos Bechtel	19 (1-32)
Geo Marshall - Phoenix Mill	13
Geo. Mantz - Private	14
Lowe & bro. Jewellers	2
Talbot - Barber -	2
L. Gregory - Tobacco	4
St. Edmonds church	80
Primitive Methodist	11
Congregational	10
Kulp. Private	5
Shuster "	3
Oram "	3
Post office	4
Sea shore	3
Opera House	100
G.A.R - rooms	13
Leader & bro. Dry Goods	30
Total	323
	155
	478

The Opera House order is waiting for an estimate on resistance boxes.

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Sunbury (D-83-061)

This folder contains correspondence and other documents relating to the installation and operation of the central station and electric light system in Sunbury. The Sunbury station began operation on July 4, 1883 as the first commercially installed three-wire system. Many of the documents deal with problems of wiring the plant. Much of the correspondence is by Edison employees William S. Andrews, W. D. Rich, and Thomas P. Conant; and by officers of the Edison Electric Illuminating Company of Sunbury, including Frank H. McCormick, president, and Frank S. Marr, secretary and treasurer. Some of the letters by Andrews are partially illegible due to water damage. Some of Rich's correspondence is also faint and may be difficult to read.

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding orders, employee expenses, and routine financial transactions.

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE,
New York,

1883-05-18

May 18 1883

T. A. Edison, Esq

Dear Sir:

Herewith I beg to hand you the complete data relating to Sunbury, Pa., viz: Blue Print, Report on site for Central Station, Lamp hours, and Special Report; just received from Mr. Clarke.

Yours truly
S. B. Eaton
Pres. pro tem

Duntroon 5/Aug/83

Dear Sir

Please the Expedition came to hand this morning & I may add that there will be no material difference in the cost of building as it contains the same number of feet on the ground plan - but by setting it back from the street 60 feet and making it 10 ft longer it causes it to be further back from the bank (or at present when the ground is broken up) making a better street on the hill must be run up to bring it to level of street the barn is also taken up from foundation - immediately of yards of filling -

I have not had time to take levels but will inform you in my next - with final estimate of the station in a day or two.

Photo taken & forwarded

Examination completed - carpenters commenced work - Plan forwarded Boiler - Engine - Dressing and all machinery at the lowest possible rate

1883-05-24

2

Send with Pump one pair of Hose (3/4) nozzle - couplings and pump attachments also two lengths of suction pipe 16 ft each - There is no necessity of sending a man from Bulwarks & will not - Fire Bucks can be had here on cheap order through P

If the Stimpson job is ready to start I can get there in a day or two next week and get the Metal ready for operation. There may be some delay as the hose from Pittsburgh and other articles are delay goods

H. O. Tuck
Supt of Construction

Samuel Smith
Street Secretary
of Fifth Avenue

P.S. Also send Hanging Metal from Dulhamer & Mutterer - (Lincoln Hill) Southside consigned for (1660) on Hand Strip Avenue and Sixty feet of Steel (3) ends free first all right

1883-05-23

RECEIVED
MAY 23 1883
ANSWERED

.....188...
FILE No.....

Danbury 5/22/83

Dear Sir

Yours received at Depot and replied to - Cost of the Brick Building for the Electric Lighting Central Station at Boston Neck Complete will be Seven thousand two Sixty three Dollars ($7263.00) provided the Lot of ground is level on which the Building is to stand - if not there will be an additional cost for Stone work I have added five percent for Superintending - If you think best the contract can be awarded

Difference in Stone work on Danbury Station in consequence of alterations is Sixty two Dollars on Stone work ($62.00) - in filling two - five Dollars ($12.00) - and on Brick and Engine foundation Seven Dollars ($7.00) Total Eighty Dollars ($80.00)

Very Truly yours
Sam - Olyn Durant Dolly
Per - on account of machinery

Yours Truly
Samuel Insull Esq
Circuit Secretary

W D Allen
Supt of Eng

1883-06-01

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

WILLIAMSPORT, PA., June 1 1883

RECEIVED
JUN 4-1883
ANSWERED
188
FILE NO.

Thomas A. Edison Esq

Dear Sir:

At the request of the Board of Directors of the Edison Electric Illuminating Co. of Scranton I write to state to you that we are very anxious to be able to have our lights ready for use by the Fourth of July next. On that day there will be a boating regatta, the opening of a new rail road and a general celebration.

This as you will readily see will give us an excellent opportunity to exhibit our light, and though our contract does

not care for the completion of the work as early as this Fourth it would be a very great advantage to us to have it in operation at that time, at any rate we would like to be able to show some arc lights along the river in the evening.

The work is now advanced sufficiently to be ready for the wire men and they can go ahead as soon as they get on the ground.

Very truly Yours

Frank N. McCormick

President

Williamsport

June 1st 1893 Mr. Frank N. McCormick Re-Arming & Aurora Electric Lighting Co. Read by at Meeting

1883-06-06

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
477	cdn		17 gd	63X

Received at 852 BROADWAY. Jun 6 1883.

Dated Brockton ms 6

To Samuel Insull 65 fifth av

Communicate with proprietor of City hotel sunbury as to freight have wired instructions as to Boiler foundation

W D Rich

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1882-06-06 . 5

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK June 6th 1882

Agent, Penna RR
Sunbury Pa:-

Dear Sir:
I have given instructions within the last few days for a great deal of material to be shipped to W. D. Rich, my Supt., for use in connection with the construction of Electric Light Central Station at Sunbury.

Mr Rich will not be in Sunbury for some days, meanwhile will goods be taken good care of? Mr Rich will settle freight bills immediately on his arrival in Sunbury.

Yours truly
Thos. A. Edison

FREIGHT OFFICE,
SUNBURY, PA.,
H. F. MANN, Agent

6/8/82.

Thos. A. Edison Esq.
Dear Sir:- We will take care of and insure all property coming for our goods forwarded to your Supt. at this point by "Penna. R. R. First Local Freight."
Yours Respy. H. F. Mann Agt.

Form No. 1.

1883-06-06

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
85			Collect	947

Received at **852 BROADWAY.**

Dated Sunbury Pa June 6 1888.

To M. D. Rich

Care Edison 65 5 ave

Shall I finish foundation wall

for Boilers answer

Thos V. Pensyl

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

73

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
62			Collect	1029

Received at **852 BROADWAY.**

Dated Shamokin Pa June 7 1888.

To Thomas A. Edison Esq

65 5 ave

Party will deliver at Sunbury

the Poles at two dollars

& twenty five Cents

Wm H. Douty

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

26

1883-06-09

Office of

W. H. DOUTY,

—DEALER IN—

Dry Goods, Notions, Fancy Goods, Jewelry, Carpets,

Groceries, Queensware, Flour, Feed and Grain,

Shamokin, Pa. June 9th 1883

Thomas A. Edison Esq
65 - Fifth Ave N.Y.

Dear Sir

Your favor 7th inst. rec'd - this morn. I immediately call upon the pole men and contracted with them for the 61 poles to be delivered at your Central Station at Sunbury for $2.25 per pole, they kicked on the difference in size of top, from what you telegraphed and what you now write - however they say they will run from 6½ to 7 inch - they expect to deliver within ten days - the firm they contracted with - is Kulp McWilliams & Co of Shamokin

Yours truly
Wm H. Douty

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
113	Dx	Ju	10pd 104X

Received at 791 BROADWAY.

June 12 1882.

Dated Sunbury Pa 12

To T A Edison 65 Fifth ave

Why has work Ceased in Sunbury workmen are waiting answer

C B Story

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

22

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
388	Cs	Ri	15 paid

Received at 791 BROADWAY.

June 13 1882.

Dated Shamokin Pa 13

To Thos A Edison 65 5 Ave NY

Have commenced on poles will have them in sunbury in three weeks & possibly earlier = Kulp McWilliams

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
311	Co	Dy	13 pd	410

Received at 79 BROADWAY.

Dated Shamokin Pa 14 June 14 1882. 3

To Thos A. Edison

No 65 — 5 Ave

Will Commence delivering Poles on Saturday at the Rate of Sixteen Per day

Kulp Mc Williams & Co

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRE.

THE
No.

June 14th. 1883

W. D. Rich, Esq.

City Hotel,

Sunbury, Pa.

Dear Sir:-

I am in receipt of your favor of the 13th. inst. and have requested Babcock & Wilcox to send you the 4 inch Tube Expander immediately. I enclose you herewith check for $150. as requested, and remain,

Very truly yours,

THOMAS A. EDISON,
65 FIFTH AVENUE.

1883-06-13.

~~NEW YORK~~ Sunbury Jun 13th 1883

Dear Sir

Inclosed please find three bids for Boiler Stack also requisition for same and fire Brick — also Receipt for Orders #2 & 9 #12 which we cut the awards #10 is not all filled but will be tomorrow #7 & 8 have not got answer — Freight Bill will amount to about $150 for which please send check

Please send by Express from Bulwark & Williams in tube Expander (at once) Boiler Inspector 3/2 — Letter from Burton today work going on satisfactorily — Copy Work winner

Yours Truly
W. Birch
Supt

Samuel Insull
Asst Secy

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
265.	N.J.W.	13 Paid	33

Received at ~~852 BROADWAY~~ 852 BROADWAY. June 15 1883

Dated Sunbury Pa 15

To Carl Insull

65 Fifth Ave.

Why dont that tube expander come forward should have been here this morning

L W D Rich

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

14

~~THOMAS A. EDISON,~~
~~NO. 65 FIFTH AVENUE.~~

1883-06-17

~~NEW YORK,~~ ~~188~~

Danbury 6/17/83

Dear Sir

Yours favor of 15th at hand contents noted - will attend to request as to Gen Stuart for Danville Station - Plans find Requisition No 4-5-6-7 and 8 for Metal required at Boston works

Engine is on Foundation - Boiler nearly set and Building first approaching completion

Very Truly Yours

W. D. Rich

Samuel Insull
65 Fifth Ave
Private Secretary

3

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
468	fgn	19 Jd	448

Received at ~~950~~ 892 BROADWAY. June 18 1882. 3

Dated Sunbury Pa 18

To Saml Tassell sixty five - 5 ax

No sales yet theft off

Work here will be done this

Week requisition for Brockton

Was forwarded last Night

W D Ryth

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

HENRY C.
FRANK
SETH
COUN

June 18th. 1883. 3

Frank H. McCormick, Esq. Pres't.

Edison Electric Illuminating Co. of Sunbury,

Williamsport, Pa.

Dear Sir:-

I am in receipt of your fa or of the 18th., and note what you say in reference to remittance of payment due the 4th.

Very truly yours,

1883-06-16.

. McCORMICK,
. McCORMICK,
. McCORMICK,
LLORS AT LAW,
SUCCESSORS TO
. & H. C. McCORMICK.
LOCK BOX 2623.

WILLIAMSPORT, PA., June 16 1883

Thomas A. Edison Esq

Dear Sir:

Yours of the 14th inst. in relation to second payment due the 8th of this month on our agreement with you for the installation of the Sunbury Plant, has been received.

Our Treasurer is out of town but will be home I think on the 18th (next Monday) and will send you a check for the amount, not later than the 19th. Hoping that this may prove satisfactory I remain Yours truly

Frank H. McCormick Pres.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
574	G	R Lloyd	939

Received at 852 BROADWAY.

Dated Shamokin Pa 19 June 19 1882 3

To Thos A. Edison 65 Sawe

We have commenced delivering poles and will hurry it up

Kulp McWilliams

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

43.

June 19. 1883

Ralph McWilliams
& Co.

Re: their commencing delivery of poles

Wires such as St. Louis
Manufactures have arrived

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
295	DJ	DY	10Pd	424

Received at **791 BROADWAY.** June 19 1882 3

Dated, Williamsport Pa 19

To Thos. A. Edison

65 – 5 ave

Storey says he has permit to erect poles at Sunbury

Frank H. McCormick

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
159	Con	gzd		1340

Received at ~~791 BROADWAY.~~ 850 BROADWAY. June 20 1882 3

Dated Sunbury Pa 20

To Saml Insull 65 fifth ave,

fourteen poles delivered & are delivering eight per day

W Bayer

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

THO
No.

June 20th. 1883

W. D. Rich, Esq.

City Hotel,

Sunbury, Pa.

Dear Sir:-

I am in receipt of your favor of the 16th. inst., and I telegraphed to Ralp, Mc.Williams & Co. insisting that I must have good poles, and that you had refused to receive them until advised by us. If the poles are crooked you certainly should object to take them. When do you propose leaving Sunbury and who will be in charge of our station there after you leave? I have your disbursements and other enclosures for which please accept my thanks.

Very truly yours,

MAS A. EDISON,
65 FIFTH AVENUE.

1883-06-19

NEW YORK, 188

Sunbury 6/19/83

Dear Sir

Your favor of the 15th at hand

in reply would say the first lot of Jobs was delivered at 5 o'clock the afternoon & was all but 5 of them I think or will not insure they were the most crooked Jobs I ever saw the Journals says we will likely about 4 per day from this out — if I had any thing to say about them I should not accept them —

the most of the work on C-Station will be completed this week - I will go to Dunsell after next the Burton Proposition you have in the I shall go to Burton the first of the coming week for a few days — I've found distribution sheets — Memorandum of Jobs and wages for week ending June 14 — 8 and 54

Very Truly Yours

C W Mills

Samuel Insull
65 Fifth Ave
Ny

June 20th. 3

T. C. Detwiler, Esq. Treas.

Willaimsport, Pa.

Dear Sir:-

I am in receipt of your favor of the 19th. inst., covering check for $1000., being the second payment on the contract for the erection of central station plant at Sunbury, for which accept my thanks.

Very truly yours,

1883-06-20

Newport June 20th

Thomas A. Edison

Dear Sir

Inclosed find Check for 2nd payment on Contract of Sunbury Plant

Yours truly

Robert Clark

Treas

1883-06-21

D. R. Kulp. C. Q. McWilliams. W. C. McConnel.

Kulp, McWilliams & Co.,

—Dealers in—

Oak and White Pine Lumber,

Shingles, Prop Timber, &c.,

Shamokin, Pa. June 21st 1883

Thos A Edison Esq
New York, N. Y.

Dear Sir:

Your favor of the 20th inst to hand and in reply to same would say, that the poles although not perfectly straight are not as crooked as represented. We are extremely sorry to cause you any inconvenience, and will endeavor to set matters aright.

Yours very respectfully
Kulp McWilliams & Co

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

1883-06-22

~~NEW YORK,~~

Danbury 6/22/83.

Dear Sir

Yours esteemed favor of the 21st at hand - in reply would say that as it is quite impossible in this form of Rep to itemise each kind of material used every week in the construction of every part of the work I have computed the cost of all material used in each item to date and carried the amt to left hand column of figures - so that by referring to these Reports you can at once see the cost of each part of the work (whether material or labor) when the job is completed -

The cash disbursements only are in the Right hand column In case I doesnt know the cost of material no figures will appear — in left hand column on line of that particular item ——— In reference to yours favors of June 21st which are also at hand I will say that Mr Harrington has this day been taking some measurements in relation to location of Poles and says there will have to be several from 50 to 75 feet in length - to morrow there will have been delivered at works about 60 - 35 foot Poles larger part of which comes up to contract - his men have been at work to day preparing them

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

1883-06-22

NEW YORK, ~~188~~

Dear Sir

but the Diamond pieces and Mr H Ques not know where they are or when they will come — part of these tools and material Billed to Bergman & Co have got here while the balance are still on the Broad Mountain — I am informed to day that Mr Stacy has selected a man to cut as substitution for the Co and will commence work on Tuesday - day next - so that the works can be left in his charge when I leave — Have had advice from my foreman at Boston to day that Sime and Fine Back have arrived and the material was on the work he has had instructions to deliver at the works all material as fast as it comes - when I was in Boston I made all necessary arrangements with the Freight Agent about the Delivery of goods as fast as they arrived — Please find receipt for Order No 39

Hoping the foregoing explanation will be satisfactory I remain Very Truly Your

Samuel Insull
65 Fifth Ave New York
First Secretary

Th. A. Edison
Supt

1882-06-22.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

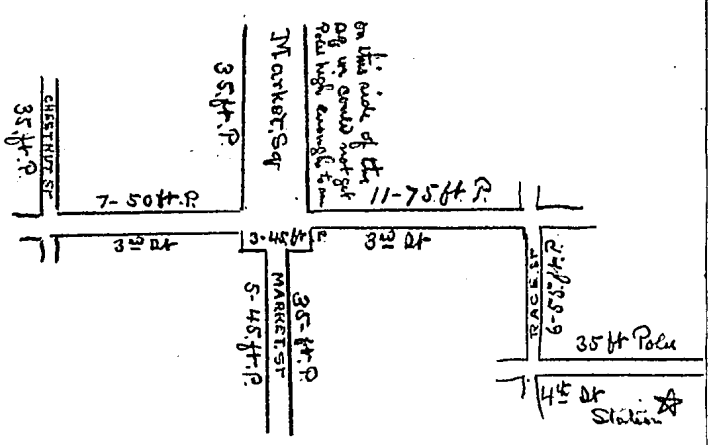
Sunbury June 22nd
~~NEW YORK~~ 1882

Dear Insull

I find that things are very much mixed here in regard to Poles, we will not be able to use more than twenty five of our thirty five ft Poles, and will have to order

Eleven 75 ft Poles
Six 55 " "
Seven 50 " "
Eight 45 " "

There is no mistake about this I will show how they run



Please wire me what is to be done about

1882-06-22

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 188

the Poles. there is no place that I can as yet hear of around Sunbury to get them of this size. The timber for framing is not here yet and as I have only work for two men that are getting ready the 35 ft Poles we will use, the others Rich will employ on the Station. till I hear from you. or the timber come to hand.

The only gentleman connected with the Co here that Rich knew of (and then only by name) was Q.S. Borrows he is one of the Town Commiss and has promised me a copy of the Permit authorizing us to put up Poles. at the same time telling me that he thought we would have a fight with the property owners befor we got through. and [redacted] giving me to understand that he did not want to be openly concerned in the matter. as it is only lately that they had a row about the Telephone Poles. I think we can get along all right. still as Mr Borrows suggested that Story knew everybody and ought to be here, I telegraphed him at Williams=port to come on. Mr Borrows did not know that we had even commenced at the Station yet as was mighty surprised to find Engine and

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

B

1882. 06-22

NEW YORK, 188

Borders set and they roof going on the Building - Rich will be able to leave here by Tuesday so that will give you a good idea of how he is getting along -

I have not received the Pike Poles - Blocks - Glass Insulators - or the Corn along. yet I think Greenfield sent all these at the same time. will you ask about them?. as I won't have time to write him and catch the Mail -

If I have to wait for Poles could I not go on with men to Shomokin?

On the right hand side of market St the Trees are so high and the limbs so heavy and thick that Johnson says we could not get over or through them, so we will go back of the Houses, and through the Alley. are we in any case to run on and over the roofs of Houses?.

Truly Yours
R. M. Harrington

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
172	Nh W.	E Pak	12

Received at ~~791 BROADWAY.~~ 352 BROADWAY. June 23 1882-3

Dated, Sunbury Pa 23

To Jame Insull

65 5. Ave. NY

Six Oclock Sunday Morning

W D Rich

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

1883-06-26

NEW ~~YORK, [illegible] 188~~

Danbury 6/26/83

Dear Sir

Your favor of June 25th
at hand - Has final receipt for Order No. 6
I have been very much delayed and annoyed
by not receiving Boiler Stock which was shipped
from Harrisburg last Thursday and arrived
here at 5 this P.M. - Tomorrow shall start home
and get up steam if possible tho most of the
other work is completed - Just telegram from me
Mullen saying Boiler had arrived at Stamford
and requesting me to come up at once - Shall go
there on Thursday - also to Danville - and will
get to N.Y. on Sunday - very truly Yours
Samuel Insull
65 Fifth Av

Co Q Bill

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
1074	HD	CPaul	1016

Received at ~~791 BROADWAY.~~ 852 BROADWAY.

Dated, Sunbury Pa 28 June 28 1882 3

To Saml Insull

65 Fifth Ave.

Sunday at twelve Oclock

W D Rich

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
410	UN	N	

Received at ~~791 BROADWAY.~~ 852 BROADWAY.

Dated, Sunbury Pa 29 June 29 1882 3

To Saml Insull. 65 Fifth Ave

Belts are too Longs Shafts ten feet four Inches from Centre And Other belts At once Steam On Boiler Yesterday Everything Satisfactory No Waste in Oil or Jet.

W D. Rich

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-03

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
512	Ri	7pd	V20

852 BROADWAY.

Received at **791 BROADWAY.** July 3 1882.

Dated Sunbury Pa 3

To T A Edison 65 fifth ave

will be all ready for

tomorrow night

C F Hurrington

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
250	hJn	22pd	2

852 BROADWAY.

Received at ~~791 BROADWAY.~~ July 3 1882

Dated Sunbury Pa. 3

To Thos A Edison 65 fifth ave

find no socket board for test lamps will have curvas on arc are incandescent station tonight two hotels tomorrow seventeen each.

S Sprague

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-04

Form No. 46.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission, nor in any case where the claim is not presented in writing within sixty days after sending the message.
This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
a 39 x	a N		To Collect nm

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, July 4 1883

Dated Sunbury Pa 4

To Tate

Care Edison 65 fifth ave ny

Injector here is non-lifting we want lifting injector have one shipped to Rich immediately Nathan & Dreyfus are wrong in saying they sent lifting injector order Moore & Tweddle Brockton base plates immediately through Hayward Perry & Franklyn have Campbell such estimates of Renovo canvass arrives hand it to Richardson open letters Dont know what time I will get home will wire later Sunbury station successfully started but Edison will not return till saturday — Insull

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
468	R3	6	72 paid 149

Received at 791 BROADWAY. 592 BROADWAY July 5 1882

Dated, Sunbury Pa 5

To Saml Insull

65 5th Ave

Want Right feed Cups &

Wire Screens for dynamos also

spare feed for Cylinder same

Style as Peoples that hurry pressure indicator

(Right) This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent. Edison

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
170	K Jm	13 Collect	1050

Received at 791 BROADWAY. 852 BROADWAY.

July 5 1882 3

Dated Sunbury Pa 5

To Tate 65 fifth ave

Insull will be at office by eleven light last night

Pa one

C F Harrington

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
171	K Jm	21 Jd	121

Received at 791 BROADWAY. 852 BROADWAY.

July 5 1882 3

Dated Sunbury Pa 5

To Saml Insull

65 fifth ave

Teach Conant all about meter book-keeping roselle style also all book keeping required & send him so he will arrive Saturday morning

Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

THOMPSON DERR. HENRY H. DERR. ANDREW F. DERR.

1883-07-07

Thompson Derr & Brother,

INSURANCE AGENTS,

Wilkes-Barre, Pa., July 7th 1883

J. A. Edison Esq
65 Fifth Avenue N.Y.

Dear Sir

From information received from our representative at Sunbury, Pa. Mr Jno F. Derr we would write a line of $6000. on Electric Light Plant at that town, at 1¼% per annum. We should want the amount divided to be specific "On Building" "On Engine, boiler & connections" & "On Dynamos." The building being acc. constructed of wood, the rate above quoted, is as low as we could write it for you in such Companies as "Hanover" & "Phenix" of New York & "Pennsylvania Fire Ins Co." & "North America" of Philada or companies of like standing. Risks of this kind in the Country command a higher figure than in a City like New York where the appliances for extinguishing fires are at a higher degree of perfection & under the management of more thorough system.

Yours Truly
Thompson Derr & Bro
State Agts

[INCOMPLETE]

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK	
265	Co.	Dy	35 Collect	404

Received at 791 BROADWAY. July 7 1882

Dated 852 Broadway N.Y. 7

To Saml J. Insull 65 fifth ave

Telegraphed for common oiler as spare to automatic and you have sent an automatic dont think shall leave before tuesday cannot hurry shamokin you

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

[INCOMPLETE]

44

T. A. Edison
W. Lonsell
July 9th/83

1883-07-07

THOMPSON DERR. HENRY H. DERR. ANDREW F. DERR.

Thompson Derr & Brother,

INSURANCE AGENTS,

Wilkes-Barre, Pa., July 7th 1883

John F. Dew Esq

Dear Sir

In strength of your explanation of Electric Light plant we have written Mr J. A. Edison that we would write the risk at 1/4% placing specific amounts "on Building," "On Engine boiler & Connections," & "On Dynamos"

Yours Truly

Thompson Derr & Bro

Per

Sunbury July 9th 1883

Mr J. A. Edison

Dear Sir

I recd this letter later and can offer you this rate in Hanover or any of our other companies

Yours Respt

John H. Derr

Sunbury

Pa

1883-07-07.

Insurance Company of North America,
Philadelphia.

We have a water pump & have NO fire in the building except by Gr. Amberg
Yours truly
July 7th 1883

Mr. C. A. Edison
New York

Dear Sir

You always on duty
+ brick house on one side + vacant lots on other side. I sent in a diagram of the Electric light building but the company seem to think the rate they gave me before 1½ is as low as they can afford to carry it in this town

If you wish me to place it please state the amount to be placed on building, separate. on Dynamos separate + on Engine. Boiler. tools and fixtures separate and I will attend to it

Yours Resp't
John T. Derr

1883-7-7

Oliver R. Drumheller, Thos H. Hutchinson.

CITY HOTEL,

Corner Fourth and Market Streets,

DRUMHELLER, & HUTCHINSON,
PROPRIETORS.

Sunbury, Pa., July 7 1883

Samuel Insull Esq
Dear Sir.
Please send us at once.
1 oz Sulphocyanide of Potassium
1 " Iodide of "
4 " Marine Glue, made up as at Central Station, in sealed bottles.
Sealing tool - Seals & wires for same
Large 2 lb filter paper for Meter Solution
#90 150 " Six light Meters, with plate bottles to complete.
The ~~12 light~~ Extra Meters already here ~~will probably~~ can be sent to

Order filled July 9/83

1883-7-7

Oliver R. Drumheller, Thos H. Hutchinson.

CITY HOTEL,

Corner Fourth and Market Streets,

DRUMHELLER, & HUTCHINSON,
PROPRIETORS.

Sunbury, Pa., 188

Shamokin as ~~they are not to be used here~~ very few will be needed there, will give you an order for bottles which can be used there.

Thomas P. Bonaut.

43.

July 9th/13

Thos. P. Conovant

encloses order for materials &c.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
445	R 3	Q	34 Calleex 4

Received at ~~791 BROADWAY.~~ 855 BROADWAY. July 9 1882 3

Dated, Sunbury Pa 9

To Saml Insull

65 5th Ave

Must have six light meters

When will you send Watertown

Contract will leave tuesday night

for New york hurry Meter supplies

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
127	~~LONDON~~	Hepd	1130

Received at **791 BROADWAY.** July 10 1882 3

Dated Sunbury Pa 10

To Saml Insull 65 fifth ave ny

Coble bailey price stated but that they are same as milan no greater capacity have greenfield leave for Sunbury immedy harrington mixed things up in insulators defective tell greenfield bring with him sample largest glass insulator & locust pin also two each blue prints Sunbury shop order

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Watertown Edison

1

1883-07-11

City Hotel, Sunbury, Pa
July 11th 1883 —

T. A. Edison Esq
65 Fifth Ave., N. York City

Dear Sir

A very heavy thunder storm has just passed over Sunbury, and the lightening has been snapping most viciously around our light fixtures in this Hotel. Two or three of the snaps were as loud as the firing of a gun cap. Some of the folks here were quite scared, but I quieted their fears by telling them that our wires were a source of greater safety to the house than a lightening conductor. Would it not be advisable to run wires to ground down each of our posts, carrying one end a few inches above the top?

1883-07-11

Two of the small testing lines in the station were burnt off but no further damage done. I must put safety catches on each of them — Will you please ask Bergmann to send me some safety catch wire about No 22 B.W.G with the pressure indicator?

One safety catch was burnt out at the Rof Hotel, but everything else is all right, and we are running the lights well tonight. I hear from Mr Moore that the lightning has lately done some damage to the Roselle plant. Kindly let me know what you think about running the wires up posts.

I should like to have some of Mr Kreusi's flat safety catches for our dynamos in the station. Do you wish them to be put in the compensating wires? If so,

1883 07 11

six catches will be nessasary. Could not a cheap fixture be made to screw against the wall, clamping a flat safety catch between two of them, something like sketch enclosed—

I have had the alteration made in the rocking arm of Dynamo B and the commutator now works as well as the one on Dynamo A

The hills round this district seem to attract all the storms. I think I never witnessed such a heavy one as that which has just passed over—

I am Dear Sir

Very truly Yours

Wm S. Andrews

1883-07-11

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Menlo Park, ~~New York,~~ July 11 1883

Mr. Samuel Insull,
65 Fifth Avenue,
New York.

Dear Sir,

I have to acknowledge your last three communications in re. making a report of progress, enclosing a check for $2500, and giving instructions concerning the Wilbur.

I will to-morrow send you a detailed statement of matters as they now stand, but for the last two days have been busy with crazes, and the outside affairs. We have practically cleared them and anticipate no further trouble. Mr. Edison leaves

1883-07-11

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

Stay night for Tom Forth.
I will write Mr. Walker by the
mail that takes this.
Yours very truly.
F. J. Sprague.

1883-07-11.

City Hotel, Sunbury
July 11th 1883

Samuel Insull Esq
65 Fifth Ave
New York City

Dear Sir

I have just seen your telegram to Mr Sprague recalling him to N. York so shall ask him to kindly be the bearer of my other letters and the wire gauge.

I am sorry that you need his services elsewhere, for I shall miss his company and assistance very much. He is a very bright man, and has greatly helped us with many most excellent ideas

I am, dear Sir

Yours very truly
Wm S. Andrews

1883-07-11

City Hotel, Sunbury
Pa
July 11th 1883 –

Saml. Insull Esq.,
65 Fifth Ave., New York City.

Dear Sir,

Your favor of the 10th inst. containing Cheque for $25.00 safe to hand, for which accept best thanks, and I would here apologize for neglecting to write to you earlier on Electrical matters, but have really had no time to do so –

I have returned Mr Stannington's account of work done in Elec Lt. Station here, with Sprague's signature as well as my own. The largeness of the amount is due to several facts which should never occur again under proper management throughout. In the first place owing to the position in which the conductors are brought into the

building, and the relative placing of Engine and dynamos, we have had to put up about 500 feet of large Copper Conductors inside the place, whereas had the wires been brought into the right side near to the Engine, about 14 that length would have been sufficient. These Conductors had to be fixed up true and well, and equal number of soldered joints had to be made, at an expenditure of time which would otherwise have been saved. In connection with this part of the business, it is Mr Edison's intention to have straight Copper rods made, with Connections like gas fittings. This plan will greatly facilitate the operation of putting up Conductors inside stations, for bending and straightening the heavy Copper wire is a tedious and difficult work —

1883-07-011

Furthermore, in order to create a good impression on the public on the evening of the 4th we spent considerable time in fixing up for the illumination, and this item of extra expense may in future be entirely dispensed with.

I think it will be a better advertisement for us to show people how good a light a few lamps will produce, instead of dazzling their eyes with an unusual display.

With this object in view we are going to put only two lamps in Engine room, one in office, and one in boiler room, thus lighting the whole place with only four lamps, which I think, by proper arrangement will be quite sufficient.

Returning to the subject of expense, I would also state that the unfortunate breakdown of our Engine on the evening of the 3rd inst., added not an inconsiderable

sum to the total amount, and such a casualty as that we must hope will never again occur.

On future occasions, when two are appointed to take charge of the setting up of a light station it will be better for one only to have to do with hiring men, and then he can sign their time-cards.

We have had considerable trouble with some crosses, but this is now all remedied, and I trust we shall experience no more trouble in this respect. Last evening we lit up very satisfactorily - everybody appeared well satisfied, and some were enthusiastic in their praises.

The gas people here have cut down their price 25% and also improved the quality. They also claim that one of their jets gives more light than an Edison Lamp - We ought to be provided

with a portable photometer, in order to convince the public that the contrary is the case) —

By Mr Edison's request, I shall go to Shamokin for a day, early next week, so as to get a general idea of the station building, and be able to plan out my arrangements beforehand) —

I shall this day return to you the two wire-gauges by mail (registered) they are too small for our work. Please get two more for us of the larger size, either "Victor" or Brown & Sharpe

I will write again in a day or two and report further progress. Mr Sprague is writing to you today and he will probably take up some matters on which I have been silent —

Very truly Yours

Wm S. C. Andrews

By Frank Sprague, (Last page missing)

Form L

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Sunday ~~New York,~~ Feb 12 1883

Mr. Samuel Insull,
65 Fifth Avenue,
New York City.

Dear Sir:

As promised in letter of 11th inst I send herewith a brief of matters as they now stand at the station.

1. Inside Station. All mains and feeders have been run and connected. Nothing remaining but to put on wooden junction plate. Therefore indicator is in position. Pressure wires are in position, but disconnected temporarily at No. 2 feeder terminals because of a cross on the feeder between red and blue feeders by contact with a pressure wire. Expect to get them connected again to-day.

1883-07-12

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

or at latest to-morrow. There have been used about 500 ft. of nos. 0 and 00 Birmingham plugs were for the inside connection, about 7/5 ths of which is in the boiler room. There were have been taken from that intended for the feeder, and hence the two feeder are about 85 ft. shorter than otherwise, that is, something less than 2 poles. In the future, I believe Mr. Edison intends to allow the use of straight rods and coupling fittings. Dynamos, regulators, boxes and indicators will be lettered so that there can be no confusion on the part of the local engineer.

2.

1883-07-12

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

2. Switches. There have been proposed some important changes in the switches. Mr. Edison has made note of these, and their provision will facilitate work in future. There are now on hand two large double tongue switches, and three or four house switches, for which we have no use. A new house switch must be used to prevent running the switches.

3. Engine. This is now working easily and steadily, and can be relied on. The bearing which was so badly heated has not been warmed up.

4. Tests recent. This has been arranged for testing meters up to

3.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Form L.

New York, 188

50-60 light capacity.

5. Test Lamps. Two hours after each, which can be used as desired. About a dozen have failed, and there are no spare ones. 104 were received.

6. Indicator. Wires for engines would be conducted both ways from the meter. That one here has been so changed. The volt indicators were entirely wrong, and were probably changed after being tested. The one that was thought is working well. One of the others can be used by comparison. A third does not work, and the point of the fourth is broken. Colonel Andrews tells me and I believe he is going to return

4.

1882-01-12

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

to Bergmann and the testing room —
The movable pole terminals in these instruments should be milled head screws as adjustment now is difficult. If a steel screw driver is used on the set screws, the magnet is affected. Fine adjustment of travel is not easy.

7°. Private Instruments. A full set of such is much needed, and a lot of those wanted will be sent as soon as practicable.

8°. Outside work. There has been an entire change of the position of mains and feeders. These lines are to be carried from three to four poles further on by using main line wire.

5.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Form L.

New York, 188

mains are being put on on No. 2 feeder. There are as yet no mains on No. 1, nor only balancing main joining 1 and 2.

9. Lights. There are at present 56 lights made for running, with six more to be added in a day or two. This does not include the central station lights, of which there are four needed. No more temporary fixtures are to be put in.

10. Charts. Wherever there is to put up the central station connection should be provided with two lightly printed blue prints, on which to outline the work.

11. New Nomenclature. I have proposed a new nomenclature for our work which needs with general approval I think. This is to

6.

1883-07-12.

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

designate the positive and negative mains "red" and "blue" after the latest magnetic naming, and the middle or compensating wire the "black" or "bridge". Become neutral or balancing. The use of these colors by the pencil in outlining work makes it much clearer and simpler, and it can be used for designating feeder and pressure wires at the central station. In all diagrams relating to circuit arrangements or locating and describing faults, I shall adopt this plan. Mr. Andrews will do the same I believe —

12. Time Cards. All work done at the central station or wire work

1883-07-12

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

solicitation by men taken from other departments, or directly employed, had, I would suggest, better have their time made signed by the electrician in charge - Confusion has arisen because neither Mr. Andrews or myself have done this. In regard to extra time, one man extra and not over thirty hours single man can be fairly counted as being necessary because of heating of the engine on the night of the 3d inst. That is, allowing time and half time -

13. General Principles: Mr. Andrews and myself, in conjunction with Mr. Edison, have fairly outlined these for future work, and

8.

1883-07-12

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

the chief work will be to see them properly carried out. The dual work has been of advantage in many ways, but would cause friction if long continued. I think we both feel that, now the general line of working is agreed on, that neither will have serious trouble in designing and carrying on our work - and individual responsibility will lead to greater care and zeal -

Very truly yours -

F. J. Sprague.

9.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
368	ln		10 30 a	Ord

Received at 791 BROADWAY. July 12 1882

Dated Sunbury Pa 12

To Thos A Edison 65 fifth ave

Telegram received leave tonight

no Dailies bring weeklies same

thing

Sprague

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-13

City Hotel Sunbury
July 13th/83

Saml. Insull Esq
65 Fifth Ave. New York City

Dear Sir,

The pivot of one of our pressure indicators being broken, I have expressed it to Bergmann & Co for repairs. Will you kindly see that there is no delay about its being fixed. I have written to Mr Clark asking him to have it carefully standardized at testing Room. I would suggest that if Mr Stannington could burden himself with it when he returns to Sunbury, it would be less liable to be put out of adjustment than if it were returned by Exp.

We are badly in want of a clock in our Station here to know the right time to start & stop. Everything up to present date is working very well

Yours very truly W. S. Andrews

1883-07-14

City Hotel Sunbury
Pa —
July 14th 1883

Saml. Insull Esq
65 Fifth Ave, New York —

Dear Sir

Herewith enclosed please find 5/6 of Expenses up to date.

I forgot to tear off the notification of shipment from the receipts I mailed to you on the 10th inst. Will you kindly return them to me?

We have now got things in tolerably good running order and we light from 7.30 PM to 2.30 am. Every night —

Next week I am going to keep as strict account of actual running expenses — I wish we had more lights on the

1883-7 14

Circuit, but suppose all that will come in time. —

Our engineer is a very bright fellow and is learning fast — but I fear that Conant's man is N. G. —

Yours Truly
Very truly Yours
W. P. Andrews

[ENCLOSURE]

1883-07-14

Sunbury Co
July 14th/83

Expense A/c for week Ending July 14/83

Cash Bal. from Last week		2.39
July 11/83 Rec^d Cheque		25.00
		27.39
Expenses:—		
Express on wire guage	40	
2 lb Hammer	80	
Book for A/cs	40	
Ink, pens &c —	30	
Wooden Cleat for Station	75	
Seven Days exps @ 2.50	17.50	$ 20.15
July 14/83 Cash Bal on Hand		$ 7.24

Wm S. Andrews

1883-07-16

City Hotel, Sunbury
Pa
July 16th 1883

Saml. Insull Esq
65 Fifth Ave., N York City.

Dear Sir,

Your favor of the 13th inst to hand, and I think with you that it will be best to defer further discussion as to the matter of expenses until we can see each other. I will only say here that I hold myself blameless under the circumstances, and can convince you as to this fact when I have an opportunity of speaking with you —

I suppose Mr Edison showed you the letter that I wrote to him mentioning the late heavy thunder storm, and the effects of the lighting inside the hotels and houses that are fitted with our fixtures.

1882-07-15

In the Central Hotel, I saw the Chandelier that had the fly-paper burnt off it. Had the thin tissue paper been extended across the Ceiling as it is in some cases, the fire would have spread, and might have done Considerable damage. The recurrence of such a thing as this must be avoided, if in any ways possible or the public mind will be much prejudiced against the introduction of our wires. I would suggest the use of heavy rubber coated wire down all gas fixtures, and also that the ~~metallic~~ parts ~~of~~ our sockets be insulated therefrom

Very truly Yours

Wm. S. Andrews

The plant is working very satisfactorily but the composition safety plugs are giving us constant and serious annoyance. —

[INCOMPLETE]

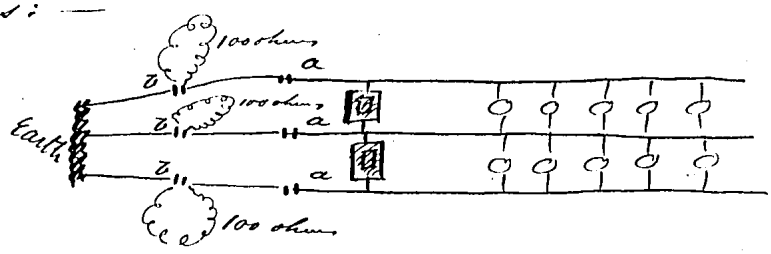
1883-07-16

Has Bergman sent good plugs to replace altered the shewed before at once? Say to Andrews, that my idea is to always ~~lead starter~~ put omnibus to dead ground when not running, storm or no storm - Has other undergone

Central Hotel, Sunbury
July 16th 1883

Thos. A. Edison Esq
Co Comm of City
65 Fifth Ave N York City

Dear Sir, Has Bergman made rehupped those
I received your letter this morning, and
from Rogers & Andrews - E.
cannot see any reason why the plan should
not work all right. If I understand right
you mean that the dynamos shall be
dead grounded during the day, should
a storm come on; and grounded whilst
running under like circumstances, through
100 ohms resis. on each of the three wires
thus: —



a a a plugs to cut off ground
b b b plugs to cut in 100 ohms on each wire between dynamos and ground

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
175	DJW	17 Pd	1240

852 BROADWAY.

Received at **791 BROADWAY.**

July 17 1882

Dated, Sunbury Pa 17

To Samuel Insull 65 Fifth av ny

Is Harrington Wire man to put in the meters & how is the work to be Charged

Orr Conant

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Your meter man is to put in meters the wire men are to leave the wires in proper position so meter can be easily connected, —

Edison

Mr. Jas. H. Bowen
Mr. Jas. H. Bowen
P. Johnson

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

1883-07-19

New York, 188

Sunbury July 19/83

Thomas A. Edison Esq.
Dear Sir.
I have secured a new meter man, a younger brother of the engineer, who will entirely fill the bill. He has a good education, is used to being around machinery and knows something about electricity. By the way he has taken hold of the work I feel sure that he is a good man for the place.
The cement plugs seem to become saturated with moisture whenever exposed to the least

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, 188

dampness and this gives rise to very great trouble. I think that this bug, is due to two causes. In the first place, the cement is very carelessly mixed as any one may observe by breaking a few of them when it will be noticed that often solid chunks of the white magnesia base occur in the body of the plug and also that the cement is very coarse grained showing that it has not been worked with care.

In the second place there may be an excess of the chloride of magnesium. I told them to use a nearly saturated solution but I fear that they have in their haste to turn out the plugs rapidly, used a supersaturated solution or in other words the excess of the chloride has crystallized out after the cement was mixed. This in a damp place would tend I think to make the plug absorb moisture from the surrounding air. Now if we suppose the solution to be exactly at the point of saturation, may it not be possible that the action of drying by steam heat, has caused the water to evaporate rather than play its proper part in the setting of the cement and thus

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, 188

although when left to dry by the simple action of setting, a saturated solution is best, it may be that when dried by steam heat, a solution of two thirds or even one half will be the best to use.

The wires on the twenty five light-plates are so long that when set in the bottle, it is impossible to get them into the meter, that is the new, tin box meter. Of course there is no trouble about cutting them down here but it seems like a waste of copper for it is nearly half an inch off the wire and it would be better to make them short. The flexible wires to which the bottle is connected, as they come from Bergmann, are tied together in a knot. This looks very pretty but in untying them you may give an ugly twist to the binding post and perhaps do as we did to day, break one off short. It would be better to be less aesthetic and leave them loose, tying them together if need be with a bit of string instead of twisting up the wires. Why would it not be a good plan to buy distilled water from some

July 19 1883

Thos. P. Conant

reliable house ~~and~~ ~~thus be sure~~ a-the-nent-mello
of its purity. man Wm. M. Wilson
of 206 Market St. Phil. will
furnish it by the carboy for
about 10¢ per gall. delivered.

These small copper stills are
very slow and you have to
spend a whole day getting
two or three gallons. We have
a small stone which is not
paid for and which we will
keep, and use if you think it
best to run our own still.

Check for twenty five dollars
received this morning.

Yours
Thomas P. Conant.

1883-07-20

Dear Sir: It is essential that if the
dynamos on one side that the two boxes must
be separate. Commutators you cannot have Vary
on that side by raising one as it will run the
other as a motor, suppose you had 5 machines on
A side & 5 on B side dont you see
that all the field rheostats must be worked
simultaneously on all the dynamos on the
B side of yards and to be varied on that side
Your last budget to hand. There
was a big in the dynamo connections
that I sent you, which I did not
perceive till yesterday, I therefore
herewith enclose a plan of new way of
connecting spare dynamo, to the
other two. I have carefully looked
this over, and am satisfied that
it is all right, and I enclose with
sketch a copy of directions which
explain themselves, and which will
I think meet every necessary re-
quirement. With a spare dynamo
there is no need of a break down
switch such as we have at Sunbury
connecting red and blue wires together
because it is improbable that two
out of three dynamos should become
disabled, still if you think it
best, it is easily added without
altering any of present arrangements
I do not want to use a bank
of resistances such as you

Central Station, Sunbury
July 20th 83.

Thos. A. Edison Esq
65 Fifth Ave., New York City
Dear Sir
Your last budget to hand. There
How in hell could we have separate boxes - The banks
are ordered & will be sent

write about, It is an unnecessary and costly complication. All I want is simply 3 A resistance boxes - one for each dynamo What need is there for more!

I have made the directions as simple as possible, and by going over them a few times any man of average intelligence would get them off by heart

Please look them over and see if you can find a hey in them. You will perceive that instead of a two point field switch I now require a 4 point one This will be only a small additional expense, and is absolutely necessary in order to make and reverse field of spare dynamo

I will write to you further on the Shomokin business tomorrow It is 11 P.M. now, so I must close this in order to catch mail -

Yours very truly

W. S. Andrews

1883-07-23

CENTRAL HOTEL,

One Square Below Depot.

GEORGE GUYER, Prop'r.
I. F. GUYER, Clerk.

Sunbury, Pa., July 23rd 1883

Thos. A. Edison
New York City

Dear Sir.

I came down tonight to learn how this plant was running. I find things at the Station all O.K. but the wiring makes me sick I certainly shall be ashamed to show this work to people of other towns. Is it possible that it costs 4.00 per lamp for such work. do you not think it best for the local company to employ from out a first-class Electrician and superintend work of local Company

to do the work. Some-
ing must be done or we
will get badly left not-
only here but all along
the line. Only 9 Customers
in two weeks with about
9 lamps actually burning
I am strongly of the opin-
ion that the original Con-
tract had better be Can-
cled out this will give
us immediately 250 lights
and suppose only one half
pay for their fixtures if
the Charges are as high as
that at present Charged
the Co will not lose any
Money. Why not let this
and all other local Compa-
nies purchase fixtures. get the
discount furnish Everything
to actual Consumers at
Cost. So long as they do this
under the direction of your
Electrician. Very Truly Yours
W B Shaw

1883-07-23

I Calculate $4.00 per lamp
from the installation of
Seven lamps at $26.50 and
the job a very Common
one too. I wish you
would instruct me what
to say to other Companies
I will have a meeting at
Watsontown tomorrow Eve-
ning I am going to Shams-
hirt at 7 A.M. tomorrow
to Renovo. Wednesday I
had intended going to
Danville but as I am
not ready to bring those
people over here will put
it off untill next week
again P.S.

1883-07-24

Don't think there is any danger in breaking an lt field but you might run up

City Hotel, Sunbury, Pa.
July 24th 1883

Thos. A. Edison Esq
65 Fifth Ave New York City

Dear Sir,

A more simple method of connecting up spare dynamo has occurred to me which enables us to use a two point instead of a four point switch for throwing on and off field. The same instructions that I sent with last plan of connections, will do for this also

The dynamos are working very well, and so is the engine, and the lights are giving thoroughly good satisfaction to everybody using them We have not had a single hitch or hindrance of any account since we started, not so much even as a flicker in the lights as far as I know

I have not received the pressure

1883-07-24

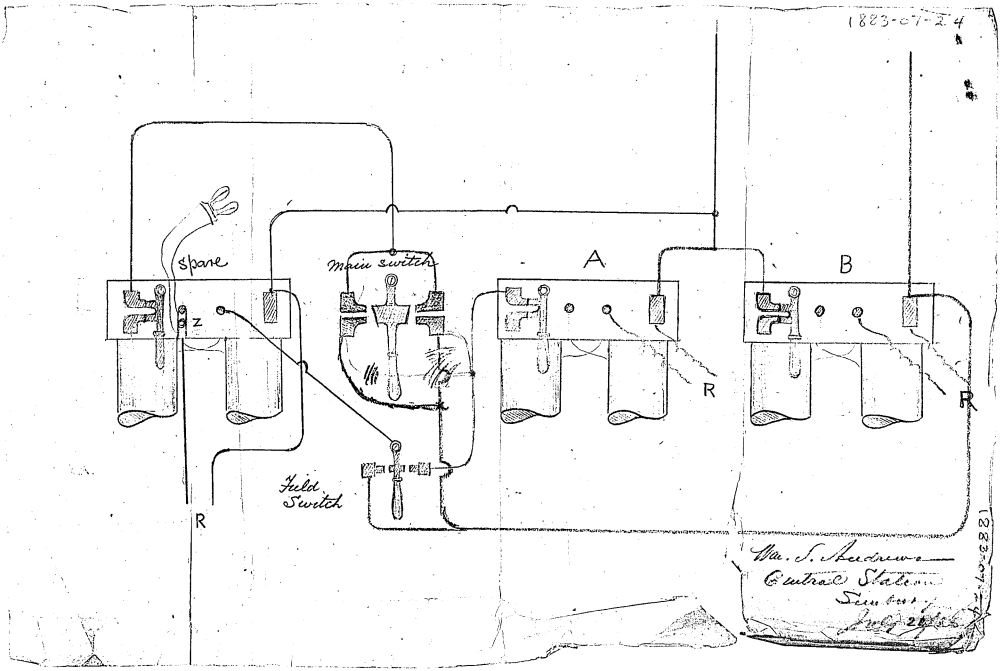
Indicator yet. What can they be doing with it? — I go round the town every day or two and carefully look over all wires to see if anything has got wrong, but find that all the pole work stands good —

Yours very truly
Wm S. Andrews

I hope Mr Harrington will bring pressure indicator with him —

When breaking field of spare dynamo with plug Z would it not be well to break through a couple of lamps? (see sketch)

[ENCLOSURE]


1883-07-I.4
Spare
Z
Main Switch
A
B
R
R
R
Field Switch
Wm. S. Andrews
Central Station
Sandusky
Aug 28 1883

1883-0725

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2623.

WILLIAMSPORT, PA., July 25 1883

Thomas A. Edison Esq.

Dear Sir – The wiring department of the Edison Electric Light Co. of New York who have been doing work in Sunbury under the direction of Mr Hanningen have caused a great deal of complaint because of the manner in which the work is done and the conduct of the men doing the work – It seems that no care whatever has been taken to run the wires into the different buildings so as to allow for the meters, and the wires have in very few cases been covered with moulding but are run over the walls and ceilings with no regard whatever for the appearance of things – Added to this the workmen have cut the private wires of parties having telephones

where in their opinion such wires were in their way and absolutely refused to repair the same until persuaded so to do by some members of the construction department, and further, they have charged the consumers exhorbitant prices for putting in lamps, in some cases as high as $3.75 per lamp, in this and many other ways greatly prejudicing the interests of our Company.

At a meeting of the Directors of our Company here last night at Sunbury, it was thought best in view of the above facts to give the wiring department notice to discontinue their work, as it would be better for us to have the wiring stopped altogether than to have any more done in the way they have been doing it, and a resolution of the Board of Directors to that effect was adopted

1883-07-25.

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

WILLIAMSPORT, PA., ...188

and the men will be notified today to stop work, and by another resolution of the Board it was decided that this Company will take charge of the wiring itself and that you be requested to send us a competent man to superintend and do the work.

If it could be done, with your approval, we would like to have Chas. B. Storey attend to it, he being a member of the Company, well acquainted in Sunbury and as we believe perfectly competent to take charge of the work, if we could not get him we would like you to send us a competent man to attend to it.

With the above exception the plant is working very well and the light

giving excellent satisfaction to the consumers.

Please advise us at once as to what you will do in this matter as the work is now at a standstill.

As Mr Storey is at present in the State of Vermont I would like, if you have no objection to his doing the work, that you would telegraph me to that effect at once as I will want to send for him by telegraph.

Very Respy
Frank H. McGuinch
Pres. Edison Electric Illuminating Co. of Bingham[illegible]

44
July 25 - 1883
Answ'd all Communications
N.B. The Change made the made manager

1883-07-27

1

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

WILLIAMSPORT, PA., July 27th 1883

Thomas A. Edison Esq

Dear Sir – Yours of the 26th inst. has been received in relation to inside wiring at Sunbury – In reply would say – That work done in the way this was being done would do the plant more injury than good not only to us but to yourself and the New York Company; as an instance; one of the members of the Shamokin Company was in Sunbury the other day looking at the plant, and after inspecting the inside wiring said – "If that is the way the work is being done, we dont want "it" –

As to our action in this

matter without consulting you, would say, That we did not know that the inside wiring was being done by your direction, as our contract with you was only for the installation of the plant and the outside wiring, and at any rate, it was a matter that required immediate action on our part and there was no time to communicate with you, it having come to our knowledge for the first time on the day that the resolution of the Board was passed — Our complaint about the conduct of the men was not only for the cutting of the telegraph ~~and~~ or telephone wire but for insolence to the residents of Sunbury and general conduct toward the people, the usual ~~of the~~ answer of the men to any-

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

1883-07-27

WILLIAMSPORT, PA., ...188

one remonstrating with them being "Go to Hell" — Now while this may have relieved their minds, as it does my much sometimes, still it does not prepossess the people of Sunbury very much in favor of our Company which gets the blame for everything —

Our action was taken with no thought of disrespect to you, but simply because we thought it was for the best interests of all concerned — Now we would like to know what you want us to do? Our notice to the wire men to discontinue their work seems

to have been forestalled, as I am informed since I wrote to you before, that the men had stopped work before our notice was served and had left Town, and that therefore our notice was not served at all. I have received word that a new hotel which is being fitted up in Sunbury wants 100 lights, but will not take them unless they can be put in this coming week before the plastering is done - I have told them that they will be put in at the time required, and it is therefore important that something should be done at once. Please advise us without delay for we cannot afford to lose this contract with the hotel - We would like full instructions as to what you would like to have done, and thus avoid

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

1883-07-27

WILLIAMSPORT, PA., 188

any further misunderstanding - In justice to Mr Nannington I would say that as far as I can learn, the misconduct of the men took place principally in his absence.

Very Respy

Frank H. McCormick
President

1893-07-30

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
84	DP	E/6 PD	

Received at 791 BROADWAY.

Dated, Shamokin Pa 30 July 30 1882.

To Saml Insull

"65 - 5 Ave Ny

Order immedy by express to Danbury one barrel of ten Candle lamps & fifty Sixteen Candle

W S Andrews

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-30

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, July 30th 1883

T. A. Edison Esq.

Dear Sir

In regard to Mr McCormicks letters to you I would respectfully explain the several complaints as I understand them.

1st In wiring the men did leave a surplus of wire for the motors.

2nd In all cases, the parties had the choice of moulding, or Cleat work, and the work was done as they decided, and they in all cases paid their bills for such work, without our word of dissatisfaction in any case.

3rd The Telephone wire, as our men assured me was not cut by them, but broke over our wires, and at the time it happened Johnson offered to fix it, and the reply was that they were going to get a new wire, and wished our men to run that, Johnson offered again to repair the damage that they claimed he had done, but was not willing to run a new line, but this was done afterwards

4th In regard to the charge of $3.75/100 per lamp, it was

for permanently wiring fixtures, we charged to outlet	$2.00
Polished brass socket	90
Shade holder	22
Porcelain shade	33
Insulating joint	30
	$3.75

The parties for whom this work was done, had this explained to them befor the work was commenced, and signed the contract at those figures, this was the only work done permanently. and the only charge above $2.00 per lamp.

5th When I was at Sunbury, I had no complaint of our men having treated anyone with disrespect, and if it did occur when I was there, I surely was the one to be notified of such an act when it took place, that I might have got rid of those men that gave such offence.

Very Truly Yours

C.F. Hannington

44.
July 30 1893
C. F. Hannington
re the trouble with the men at the mining at Sunbury

1883 7-30

City Hotel Sunbury
Pena —
July 30th 1883

Saml Insull Esq —
65 Fifth Ave New York

Dear Sir

Can you tell me if Mr Hannington is coming back to Sunbury the Sunbury Co as you are aware are doing their own wiring now on the original Contracts at $2.00 pr light, and some of the parties who owe money to Hannington swear that they will not pay more — Mr Hannington wrote and told me he would be on here last Monday, and I told people so and now I have neither heard from him nor seen him I do not

1883·07·30

know what answer to make to Enquiries —
I hope that the telegram I sent to you
for Lamps was promptly attended
to, for we cannot connect in any
more houses till we get them
I must have them tomorrow (Tuesday)
Please do not fail to send
at once a draft for Old Savage
($67.75) He is an old man and wants
his money, and he is following me
about everywhere, I think he believes
you are all bust up in New York
Anyways he is a perfect nuisance
and I want to get quit of him
and the only way to effect this is
to pay him off —
Nothing to report about Central
Station except that all is going
on very well

Yours Truly
W. S. Anderson

1883-07-31

OLIVER R. DRUMHELLER, THOS. H. HUTCHINSON,

CITY HOTEL,

Corner Fourth and Market Streets,

DRUMHELLER, & HUTCHINSON,
PROPRIETORS.

Sunbury, Pa., July 31 1883

Thos. Edison Esq
Dear Sir

In testing meters I found that after a short time a heavy yellow mud came down in the bottle which proved to be oxide of Iron. This made lots of trouble as it was reduced at the expense of the plate. I found by the sulpho cyanide that the waters here carry considerable iron which is not removed by distilling and for that reason procured some L. P

distilled water. The solution made with this showed no reaction with the "Sulpho" but yet the mud came down all the same. I then tested each chemical by it's self and found that the water was fine (that is the L.P. dist.) but that the filter paper when digested with water showed a faint reaction for iron and the fine sulphate tested with NH_4OH in acid sol gave the white ppt and also a heavy green ppt.

I have directed Insull to send some better ppr. from L bros. I will do so. Please have him do so at once.

Thomas P. Lomant

1883-07-31

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, 188

Sunbury July 31 /83

Samuel Insull Esq
Dear Sir.
In your letter to Mr. Andrews, you state that you asked me for an account of meters and that I failed to answer your request.
I have kept the letters received from you and have not noticed any such request.
If you wish an account of meters received here from New York, why have it so, although you should already be posted on that point from the invoices

I have received to date, meters as follows.

50 light - 5
25 " - 12
12 " - 39
6 " - 50

all complete with fixtures.

I have installed to date, meters as follows,

25 light - 3
12 " - 5
6 " - 7

Making a total of 15 meters placed in position.

With regard to the 12 light meters. There will be about 10 spare after all of the consumers included in the first estimate are cut-in

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, 188

1883-07-31

The work goes slowly because the wiring company did their work very badly and in several cases left no loop for the meter and in others left it in the wrong place so that much unnecessary work had to be done. I have all of the meters placed that have been called for and will place others as fast as the wiring proceeds

Please let me have the Sulphate of Zinc from Chas. S. White, as soon as possible. as without it we can do nothing

My meter man is well posted and I think able to take charge and run things himself at any time, now.

Yrs &c.

Thomas P. Grant.

444

July 27th 1883

Office of Bureau

M-Mr Edison

requests for a receipt

of all meter v-notes

made

1883-08-01

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

WILLIAMSPORT, PA., Aug. 1, 1883

T. A. Edison Esq

Dear Sir — Yours of the 31st ult, enclosing statement of your charges for installation of plant at Sunbury has been received & I am a good deal surprised at the amount $11,968. as we were given to understand that the cost would be about $9,000. and in any event would not exceed $10,000, and taking this as a basis, we increased our capital stock to $16,000. which after we have paid to the Light Co. of New York the amt of paid up stock

agreed to be issued to them will not leave enough to pay for the plant, not to speak of the cost of running it till it begins to pay expenses. If we had been given to understand that the bill would be so large we could have made arrangements when we increased the stock, but now it will take about 3 months before the stock can be increased again for by the laws of this State an Election for increase of stock has to be advertised at least 30 days. I would like you to send me an itemized statement to present to the Board of Directors, I see you have named the different items but have made lumping charges

1883-08-01

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2023.

WILLIAMSPORT, PA., 188

I have spoken to Mr Shaw about these matters but he declines to advise us —

Please send itemized statement and advise us at once what arrangements can be made.

Very Truly
Frank H. McCormick

Form No. 1.

1883-08-02

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT	REC'D BY	CHECK
296	DR	E	11 PM

Received at 791 BROADWAY.

852 BR

Dated Williamsport Pa 2 Aug 2 1882.

To Thos A Edison 65 - 5 Ave

Will meet your secretary at Williamsport Monday night at my office

Frank H McCormick

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-08-03 Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

~~New York~~, Sunbury Aug 3rd 1883

Saml. Insull Esq
New York

Dear Sir

Your favor of the 2nd inst to hand. The new style of cheap Electrolier came by exp today, and I think it very neat & tasty. It is very cheap and ought to take well – The wooden plugs came with it and I have had all plugs changed throughout the tower

I have this day shipped by freight a lot of things to T. A. Edison, Care of Bergmann & Co as per your instructions – Have not yet got Bills of lading signed but will send them to Bergmann first mail tomorrow, and also notify you of character of goods – Mr Hammington has been with me all day helping to pack, and left tonight for Shamokin –

Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

New York, ... 188

Thank you for information about pressure indicator. I shall be glad to have a correct inst. as soon as possible –

Two of the house changing switches are in use at our Central Station here & I have included them on the list of other switches & inst. sent to B & Co used in our fitting up

One is fixed up for a break-down switch, and the other for connecting in meters for testing purposes

Shall be glad to meet you at Shamokin – I hear that Johnson is getting on nicely with the pole work there –

All is going on nicely here. The engineer has learnt how to run the dynamos first-rate. The commutators are as good as new – and he has no trouble either with dynamos or engine

Very truly Yours
Wm L. Andrews

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
352			

Received at 791 BROADWAY. 8/2 1882.

Dated Sunbury Pa 4

To T. A. Edison

Menlo Park

How far will a number two service wire carry Nineteen lamps answer quick

Will explain by mail

Wm S Andrews

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-08-04

Form No.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
176		9 Rd	

Received at 800 P.M. 8/4 1883.

Dated Williamsport, Pa.

To Samuel Insull

Care Mr Andrews

City Hotel, Sunbury,

Will meet at my office at seven

thirty P.M.

Frank N. McCormick

1883-08-04

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Sunbury ~~New York~~, Aug 4th 1883

Thos. A. Edison Esq
65 Fifth Ave New York City

Dear Sir

I have this day shipped to you C/o Messrs Bergmann & Co — the following Cases &c, by Philadelphia & Reading R. R., and have mailed Bills of Lading to Messrs Bergmann & Co — : —

5 Cases of Electric Light Material
2 Bbls do do do
1 Case of Steam fittings
2 Cases Containing Copper Stills & Worm
1 Bundle of wood Moulding —

Mr Stannington helped to pack the above, taking account in detail of the same —

There is here one large Case addressed to Mr Rich, which he told Mr Conant was not to be unpacked — I find that it contains sixteen (16) Resis. Spools Please tell me what they are for, and what I am to do with them — The Case is ready to be re-shipped to New York at a moment's notice if you so order it. —

There are also two large steam valves here, — six-five ft. rollers of 1½ in. iron pipe, and six long iron bolts (length about 5 feet) These things I have not shipped back having received no orders concerning them, and thinking that they may perhaps be wanted for Shamokin —

Referring to my letegram sent

1883-08-04

Form L.

3

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

this afternoon — Johnson made a service of double No 10 wire from mains in Central Alley to Central Hotel, a distance of about 100 feet — Central Hotel People are now building a stable at the corner of Alley, which will necessitate the cutting of this service, and lengthening it about 30 feet. We have no No. 10 wire all being returned to New York Query. Will not one No 10 wire carry 19 - 16 C.P. lamps, say 150 feet Assuming the lamps at 200 ohms each I figure that it will at a loss of only about $1\frac{3}{10}$ pr cent — If so, why

was this service made of double No 10 2
If single will do, there is plenty of
wire here to make the change —
otherwise the Hotel must be cut off
All is going on well at Central
Station, and with outside mains.
Wooden safety catch plugs have been
put in all over Sunbury, and hope
to have no further trouble on this
score —

Please do not let Bergmann
neglect to push the work on pressure
Indicator. I wrote to you a long
time ago about a safety catch
for the two L Dynamos here — something
to screw against the wall, and clamp
a plate of Kreuzer fusible metal
like those used on underground work
Have had no reply. Should not this
matter receive immediate attention —

Yours truly
Wm L. Andrews —

1883-08-27

Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
NO. 65 FIFTH AVENUE,
New York, 188 3

We do not have more than 1 percent drop in service, but they can be calculated for maximum lamps used, not for all the lamps actually in but never used simultaneously on the Edison system service, calculate as if there were 2 lamps in series, or 4 times less copper then add the middle

Thos. A. Edison Esq.
Dear Sir

Thanks for your telegram received in answer to yours of Saturday. My last letter to you gives the amount of difference to be required. The amount of difference since sign of regular operation is 62 1/2 pct

We have 4 lamps on 3 wires only ~~counting as~~ he tells me that the two No 0 wires were not regular service wires only put up for the temporary occasion of lighting the Hotel last fourth. The connections of feeders to mains at this point were also temporary, and as no change has since been made I am going to hire Spekman this afternoon to make all of them in a substantial and proper manner, and also to take down one of the No 10 wires from each feeder as it is useless, and makes the feeder look very unsightly

August 17th/83
W. S. Andrews — Re —
Sunbury Plant

Your suggestion of extending the three wire system into the service has been forestalled here — Mr Hanning & Men have done it in two or three places — What is the right percentage of loss to allow on service — They appear to me to be unnecessarily heavy in some places — There can be no question as to the saving of copper in doing so and I can see no reasonable objection — Your last letter relating to number of lamps in actual use in houses to hand, and contents duly noted — I do not however undertake to give advice on wiring matters to any one here and only interested myself in the Hotel Rasmus as it was quite an exceptional case — Yours very truly
Wm S Andrews

1883-08-07

Aug 7th 1883

Sunbury Ill Co -
To Sunbury C. S.
Payment on Account $1500.00

Aug 17th 1883

Sunbury Ill Co
To Sunbury C.S.
Payment on Account $2000.00

Oct 30th 1883

Sunbury ~~Ill~~ Co
To Sunbury C. S
Payment In Stock on Account $4100.00/100

1883-09-08

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union

Sunbury, Pa., Thy 8 th 1883

Dear Sir:

Yours received - I have made the offer to the New Hotel men - They rejected the offer, saying that they had gas & water pipe put in their house for $300 - It is a singular circumstance to me that B & Co. should charge over $3.00 per light for merely wiring the hotel, when Mr Bonnington said that they would do all wiring for $2.00 per light & put in fixtures for $1.30 - Now the hotel merely wanted to wire & get B & Co's bill is as much as Bonnington's for wiring & fixtures - I thought there was a mistake & directed your attention to it, but you say nothing about it in your letter - We have undoubtedly lost that job as they say they will burn gas - Now about the balance of our contracts - They are principally, one room stores - Our directors in town & myself have inspected the work done by Mr Kirby on half a dozen stores & we find the consumers satisfied & we think the jobs are good -

1883-09-08

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union

Sunbury, Pa., 18

I suggested to Mr McCormick our president that B & Co sell us all of the material give us the discount you speak of, & let us go on & finish our contracts - We feel Mr Kirby & his two assistant will be able to do satisfactory work - We will not take any more contracts, but let Mr Kirby do the business himself, we could buy the material for him -

But we must finish our contracts & we must do it as inexpensively as possible - I sincerely hope there will be no further delay in this matter -

Mr Kirby spoke of wanting 3 insulating joints & you said the Sunbury Co. should order it - We need them at once, so please send them -

Respectfully

Frank S Marr

[INCOMPLETE]

[FROM THOMAS P. CONANT]

1883-08-08

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

~~New York~~, ... 188

Sunbury Aug 8 1883

Samuel Insull Esq
Dear Sir.

The following were supplied with bottles on Aug 6.

Star Restaurant	- 12	light	meter
D. Heim	12	"	"
St. Charles Hotel	12	"	"
P. & L. R.R	25	"	"
Dr. Renn	6	"	"

The following were supplied with bottles on Aug 7.

Dr. Martin	- 6	Light	meter
P. P. Smith	6	"	"
M. Loch	12	"	"
Mr. Cartney	6	"	"
W. Hilman	6	"	"

1883-09-08.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

~~New York,~~ Sunbury Aug 8th 1883

Saml Insull Esq
New York

Dear Sir

I think we ought to have 1/2 dozen 32 candle lamps here in stock - The Starr Restaurant is using one every night, as an outside lamp, and there is only one more as spare -

I hear that the stream at the back of Central Station, from which we get our water, freezes solid in the winter time. Some provision should be made before hand to provide water during the winter months will you kindly speak to Mr Edison on this subject? -

I should welcome another Cheque if you can conveniently send one, as my funds are reduced to $15.00 and I shall have to pay

$10.00 for photographs on Saturday — I have had the alteration made at the mains leading to Central Station that I wrote about in a former letter, and everything is working well

Yours very truly

Wm S. Andrews

P.S.—

I sent you Coal Bill last mail I now send Oil Bill & Bill for paint & sundries used at Central Station — I have checked them off and find them correct — If I am to pay them please return them to me with cheque —

WSA

1883-08-08

Form H

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,
~~New York,~~ Sunbury Aug 8th 1883

Saul Insull Esq
Dear Sir,
I append a list of Temporary Fixtures now in use in Sunbury. I do not know how many Mr Haughton returned to New York; the number set should make up the 100

Yours very truly
W. L. Andrews

Central Hotel	16
City Hotel	17
Whitman & Scott	5
Koch & Strouse	6
St Charles Hotel	4
N.B. Smith	10
E.Y.B. Smith	5
J Kathan	4
P&E RR Tel. office	4
Central Station	3
	74

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
479	DK		13 pd

Received at **791 BROADWAY.**

Dated, Simbury Pa 9 Aug 9 1882-3

To Samuel Insull Esq
65 = 5 ave

Order by express at once fifty
sixteen candle lamps &
twelve thirty two
W D Andrews

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-08-10

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, Aug 10th 1883

Saul Insull Esq
New York

Dear Sir
Your telegram came to hand this morning, and I went to see Mr Marx, the Sec'y of the Sunbury Co about the lamps, and he has ordered them. There is some work to do almost every day here by way of looking after the safety plugs - lamps &c - Mr Marx suggested that as the meter-man's duties are at present light, he should attend to these matters and receive a small increase

of pay — say $5.00 pr month — What do you and Mr Edison think of this arrangement — I would add that the meter man will be glad to undertake it — At present I go around the place every day or two and inspect the lines, but when I go to Shamokin there will be no one here to attend to this most necessary work, and I therefore write to you as to what arrangements are to be made —

The two new indicators came by express today, apparently in good order — I shall try them tonight. I have not heard from you since your return to New York Excepting in the matter of old expense A/c. I shall be glad to receive a letter from you enclosing another cheque

Yours truly
W. S. Andrews —

1883-08-10

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE.

New York, Aug 10th 1883

Hasel Insull Esq
New York City

Dear Sir

Your favors and also Mr Edison's to hand this morning. In relation to Mr Kerby - and the wiring business here, I understand that the Sunbury Co have sent to New York for a first class man to come out & take charge of the work to be done in this town - I think that Mr Kerby could do any ordinary wiring in a store or private house well enough, but of course his present experience has not fitted him to undertake anything on a large scale, such as

the New Hotel &c. On the other hand he feels rather sensitive about taking from the Sunbury Co any permanent Contract, as he thinks it might be construed as though he were working against the interests of the Wiring Co. whereas he would really much rather do his work subject to their orders, or in other words, work for them — If Doubleday cannot be spared from Louisville, I should like to have him for a week at Shamokin on the Central Station work — The spirit blow lamp came by Express today and will be of great service to me —

I will send back the two main switches here in Sunbury — I can

3

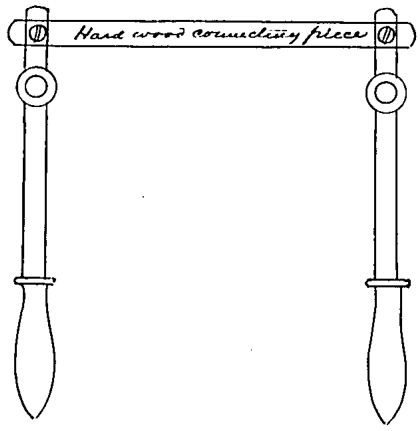
1883-08-10

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

very easily utilize two of those sent to Shamokin by making a connecting piece of hard wood, thus—



I will make a working drawing if I have time and send it in this letter, if not. I will send it by next mail. It would be best to have both switches on one board of course, but with present switches, I must first screw them up to the wall and then get out a piece of hard wood the right length to connect both levers together —

I regret to have to report that our engineer received a telegram today stating that his wife, who is staying at

a place about 100 miles from here, where he used to live, has been suddenly struck with paralysis, and he is obliged to leave this afternoon to go and see him He leaves the engine in charge of his Brother Frank, whom he says can run it all night, and I shall have to attend to the dynamos tonight and tomorrow night – He will return Monday morning – There are no trains on Sunday – Had he received his monthly pay when it was due he would have been moved here by this time, and saved this expense and inconvenience but he had not money enough to move, and has been obliged to board himself here, and leave his wife at home with her folks

1883-08-10

5

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

I hope his brother will be able to run the engine all right — I do not mind attending to the dynamos &c I will go down to the freight office and enquire about those goods They take a long time sending things from here to New York by Fgt. — I saw all the boxes safe in the Car here, but suppose there must have been some delay on the road — Bergmann had better make enquiries at the Fgt office at foot of Liberty St — I think it is —

I enclose statement of expenses
A/c for week ending Aug 10/83
Please send Cheque at earliest
Convenience — I am nearly dry
I will go to Shamokin on
Monday next, and wile telegraph
to you about the Central
Station there — Thanks to
Mr Edson for information
about service wires — Please ask
him to answer my letter question
relative to pressure as soon
as he can

Very truly Yours
W. S. Andrews

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
SUCCESSORS TO
S. T. & H. C. McCORMICK.
LOCK BOX 2623.
WILLIAMSPORT, PA.

1883-88-14 5

F. H. McCormick

Aug. 14 1883

Aug 10th 1883

Samuel Insull Esq
Secy & T

Dear Sir

Yours of the 7th inst in relation to Sunbury wiring has been received – I have consulted with the other members of the Board and although a part of them think that Mr Kirby is competent to attend to the wiring now, I am of opinion and I am supported in it by a majority of the members of the Board that it will be best to have a perfectly competent man sent us and have our man thoroughly instructed be-

fore he attempts to go it alone.
You may therefore send us
the man at once on the terms
stated viz: $4.50 per day and
his traveling expenses from New
York to Sunbury, the $4.50 to in-
clude his board while in Sun-
bury, and also please have
such material sent with him
as may be necessary for him
to use in the work of arriving —
I am afraid we have lost
that Hotel, we were not ready
in time for them and were
too high in price, but I think
that we will have plenty
of customers without them.
After your man arrives at
Sunbury further arrangements
can be made about the local
workman. Yours Resty

Isaac H McCormick

Please answer my from Form H.
Letters as soon as you can
1883-08-10

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

~~New York,~~ Sunbury Aug 10th 1883

Thos. A. Edison Esq
Dear Sir

There can be no question but that the quantity of Coal consumed last month was simply enormous, and out of all character with the H.P. necessary for the number of lights. We will consider however that, for several days when dynamos were being set up, and tests & tested, the steam was kept up all day, also, that for the first nine days of firing, we had an inexperienced man attending to it — It is possible that coal has been stolen, as it has been left open down one side of station — Do you wish a coal bin made inside boiler room to hold the supply, or would it not be better to roof in the space between station and railing which

Separate Richardson's property from the station? This would not cost very much & a door & padlock would make everything secure — This month's coal bill will be a more satisfactory list than the last — The engineer has been inquiring of me when his month's salary will be likely to be paid He is very desirous to move his furniture to Lumberport from some place where he lived before he came here, but cannot do so till he gets his money so he would be glad to have it as soon as convenient — Yours very truly

Wm S Andrews —

1883-08-10

P.S. I want some small lead wire for safety catches on the pressure indicator lines, and wrote to Bergman some time ago to send me some but have not yet rec'd it.
I also wrote to you about putting safety catches on the dynamos, but you have not replied to me on this subject. I shall finish replies to Questions tomorrow or next day, and will send by express. Some of the Questions entail quite lengthy answers — I think that the series of questions are comprehensive and good

W.S.A.

Central Station, Sunbury
Aug 10th 83

Thos. A. Edison Esq
65 Fifth Ave N.Y. City

Dear Sir

My blue print states that Sunbury is wired for 10% loss on Feeders and 2% on Distribution. Does distribution mean the actual drop from end of feeders to lamps? If so I should keep the pressure at end of feeders at 113 Volts. Please let me know if this is right for the present light load on Dynamos, about 140 lamps when all are on, and about 20 lamps after 12 P.M. —

There are no safety catches on test wires when they join ends of feeders — Should they not be put in — I should also like to hear if you think it necessary to put in safety catches on the omnibus wires in Central Station. An early reply to these points will much oblige. Yours respy

W. S. Andrews

August 11 th 83
G. S. Andrews
re-Sunbury
Pl Land

RECEIVED
AUG 14 1883
ANSWERED
Aug. 14 1883
FILE No.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,
~~New York,~~

1883-508-1 Form II.

N.Y. Audrey Aug 14th/83

Surbury Aug 14th 1883

Saml Insull Esq
Central Station
New York

Dear Sir,

I sent a telegram to you today from Shamokin about the Central Station there, and suppose you will send Mr Rich on immediately — The Builder says that by tomorrow he will have the roof fixed so that no rain can come in Johnson says that he will have up all the pole lines by next Saturday. As soon as they get the doors and windows in I can go over and commence work — Who shall I have to help me? as I cannot do much alone Mr Kerby is very anxious to get the job, but of course if Doubleday can be spared he will be of more service

Kerby says that if he could go to help me at the Central Station, he could work there as long as I wanted him and then if there was any inside wiring to be done, by the wiring Co he could assist – He wants $2.50 a day and $1.50 for living Expenses, – I can only say that he is a good steady, reliable man, and a very decent workman and I should prefer him to any stranger, in case Doubleday cannot come Please do not fail to send me a Cheque by return mail if you have not already done so I am quite out of funds

Yours truly
Wm S. Andrews –

Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

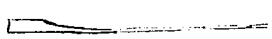
~~New York~~, Sunbury Aug 12th 1883

Thos. A. Edison Esq
Dear Sir

I am sorry to have to report that the breakage of lamps here has been enormous and I have been trying to account for it in some way. The last hundred that came are standing much better than the first lot. I am inclined to think that we put them up to too high a candle power for the first week or two after starting, and thus ruined their constitutions. I have cut down the light considerably, and people don't like it, but it must be done or the business won't pay. I balanced up the lamp A/c yesterday and find that up to date we have 75 Broken. This is terrible work, and I feel badly over it. Nine out of ten of the lamps burn out about 1/4 inch above one of the connections, and I have an idea that may possibly account for this

If you hold a lamp up to the light edgeways, you will notice that the carbon vibrates very rapidly so that the loop appears fan-shaped thus:—

and the vibration appears to start from just the point at which the break generally occurs — Can the constant bending backwards and forwards just at this point affect the molecular or cellular structure of the carbon so as to weaken it in some way? Have you ever had the carbons made to taper off more gradually from the broad part fastened in clamp instead of passing almost immediately into a parallel fibre?



This would lower the resistance somewhat but it might be compensated for in other ways — Would this plan merely carry the usual breaking point a little higher up? —

The last two pressure indicators received differed from each other about 3 volts — I think that the instruments are good, and they were probably standardized correctly, but the jars

1883-88-12 Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,
New York, ... 188

incidental to shipping seem to upset them. There is yet one more Indicator due here, and when it comes, I shall carefully compare it with the others. — I hope Bergmann will do his best to hurry up with my standard Indicator. I shall then be able to regulate all others by it and shall have something reliable to go by.

If Sunbury is wired for 10% loss in the feeders with full load of 500 lamps, what would the drop be when only 100 lamps are burning also when only about 30 are on?

We ought to have some much higher volt lamps for Central Station or else put some C.S. resistance in circuit with them. Which shall it be? I am only burning 4 lamps every night — One over Indicators — one over Engine, one over Boiler, and one in office —

I have finished the questions

today and will send back by Express. My answers cover 50 pages of foolscap paper, so you must not think I have been too long over them. They are a good lot of questions and I have learnt something through having to think over replies.

I will send Mr Insull a working drawing of double main switch just as soon as I can. As I said in my last letter to him, I can utilize what are already made with a very little alteration.

Yours truly

Wm S. Andrews

1883-08-14

All information of that character can be obtained from this office
Sunday Aug 14 / 80
Give none to anyone

Samuel Insull Esq
Dear Sir.

On Aug 10. a 6 light meter was placed on the premises of Ed. Hileman, burning 2 lights - and supplied with bottles.

A gentleman giving his name as Henry A. Clark, address 5 - Hooper Building. Baltimore Md. called at the station yesterday and asked for some figures on meter work as to calculation of constant &c. In my absence, these were at the time refused him and he left his address as above, requesting that they might be sent to him upon my

1883-08-14

return. He represented that he was connected with the company in some way and was at present working up the business at Harrisburg. He brought with him another gentleman, said to be a man of influence at that place.

If he is entitled to the information I shall be happy to furnish him with it, but in the lack of knowledge regarding him, I write to you for orders.

The answers to meter questions were sent to Mr. Edison today.

Yrs &c

Thomas P. Lonant.

1883-08-15 Form II.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

New York, ... 188

If they are twisted around for 3 inches, closely it will answer
Dear Sir but would prefer soldering
I have Excavated out
How can it be done
service wires here in several
places, and find that they
are simply connected to mains
by twisting, no soldering being
done — Is this sufficient for
a permanent job? —

Yours very truly
Wm S. Andrews

1883-08-15

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
76	41	MB	5 Coll

852 BROADWAY

Received at **791 BROADWAY.**

Dated Sunbury Pa 15 Aug 15 1882.

To Sam'l Insull 65 fifth Avenue

I have sent Check

~~T T Stuart~~

Marr Fle

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-08-15

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union

Sunbury, Pa., Aug 15th 1883

Dear Sir:

I enclose my check for $100 of the Edison Electric Illuminating Co. of Sunbury for $2000 – I informed you I would send you ch for $2500, but promises made by certain stockholders have not been fulfilled, consequently I am unable to comply fully with my promise – I shall do my best to collect the $500 & remit it to you on the earliest possible moment – The unfortunate experience we had with those scoundrels who were here & our present do-nothing policy is operating very bad-ly against us – However my circumstance is satisfactory, as it is the best I can do to-day, I remain

Very Respectfully
Yours
Frank S Marr

1883-08-15

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK,
COUNSELLORS AT LAW,
Successors to
S. T. & H. C. McCormick.
Lock Box 2623.

WILLIAMSPORT, PA., Aug 15 1883

Saml Drexel Esq.

Dear Sir

Your telegram has been rec'd – I do not know why the sending of the check has been delayed – Have sent word to Marr to send it at once.

Very Truly
Frank H McCormick

1883-08-15

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

~~New York~~, Sunbury Aug 15th 1883

Samuel Insull Esq

Dear Sir

Your favor of yesterday's date to hand, - and I share your sorrow in a very practical way concerning the non-receipt of Cheque - Without using any adjectives I find it inconvenient to be in Sunbury even, with only 25¢ in my pocket, which is exactly my present capital! —

The House-changing switches came safely to hand - I notice that the places where wire connections are to be screwed in are only rough cast, and some of them very rough - Will this make good connection to copper wires? — These switches otherwise

I think are well designed and good, but at present there are no places in Lynbrook to receive them — Our Engineer says that a good Coal-house could be put up in the Alley way between Station and Richardson's property for about $10. It would hold about ten tons of Coal — He says further that there is not sufficient room to store Coal in boiler room, and even if there was it would make everything black with dust At present the Coal is dumped in Alley — and I am afraid that some of it wanders off into other people's fires — Will you ask Mr Edison if ~~the~~ something must not be done quickly relative to this —

Should we not have some high volts lamps for use in Station I asked this question in a former letter

1883-08-15

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

The engineer complains of the Engine belts – They are very heavy and badly spliced, and jar the dynamo bearings every time the thick part goes over pulley –

Mr Marr has asked me if any Insurance has been effected on Station building –

I am glad to hear that Bergmann has received the bulk of material shipped from Sunbury No doubt the moulding has turned up by this time –

Yours truly
Wm S. Andrews

Marr is sending you a check today – don't forget my need –

1883-08-15

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

I don't remember making any statement about 1 volt higher - I figure it yourself -

Sunbury ~~New York~~ Pa. Aug 15 1883

Thos. A. Edison Esq —

Dear Sir —

In your favor of yesterday's date you say that with present load (about 140 lamps when all are turned on) "one Volt higher at terminals will make the feeders about right." Will you kindly inform me how you make this estimate, Sunbury being wired for a loss of 15 and 3 per cent — with, I suppose a full load of 500 Lamps — If Engineer has to Calculate his pressure, observable at Indicators, according to the load that the dynamos are carrying, I should feel much obliged if you will kindly tell me the best way to figure this out also, how he can form any correct estimate of load at different times during Evening with only one Ampere Meter

I wrote about this in a former letter not yet answered —

The two new pressure indicators we last week varied about 3 Volts in their readings, the one from the other — The last new one to hand yesterday reads 2 Volts higher than the highest of former two — which makes a difference of five Volts between two of them I fear that my pressure will be always an unknown quantity until I get my positively standard Instrument. Do please hurry up Bergmann with this The value it will be to me can hardly be overestimated — You have doubtless already received the answers to questions which I expressed yesterday — Please send me a revised copy as soon as possible as I want to see what mistakes I have made —

Yours truly

W. S. Andrews.

1882-08-16

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
325	N	MB	1.15

Received at 791 BROADWAY.

Dated, Sunbury Pa 16 Aug 16 1882.

To Saml E Morrill 65 Fifth ave

Send check for my bill against Electric light Co or I bring suit immediately

Jos Savidge

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Jos Savidge
Auditory

Letter addressed Thos Savidge
containing check mailed
August Eighth
Saml Insull

Recd the above
[illegible]

Aug 16. '13
J. C. Savage
Requests Auditor
to move slow
as he will [illegible]

1883 08-16

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

(6)

New York, Aug 16th 1883

RECEIVED AUG 2[illegible] 1883

Aug 2[illegible] 1883

FILE No.

Show this to Clarke

Saml Insull Esq
New York

Dear Sir —

The last pressure Indicator we here had two spirit levels screwed to base board — Had all of them been fitted in this way I think we should have experienced less trouble, and the extra expense on each Indicator would not have exceeded 25¢ — (Will you kindly order for me six levels from Bergmann same as those on last Indicator) and I will screw them on to the other three

46
August 16 1883
W. S. Andrews
Engineering Department
Inst. & Instrument Levels

in future, they should be attached
to each Inst. before it is stan=
dardized — If this is done I think
that much of our late trouble
will be avoided in future —
Mr Conant is today making
out his first bill of Incan
bells, and people are anxious
to know cost of light —
I think it will average well
at 1¼¢ pr Lamp hour —

8/21/83

Yours very truly
Wm S. Andrews.

Contents noted and levels
interested.
C. L. G.

1883-08-16

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

August 16 1883

Mr. Edison

Sunbury ~~New York~~, Aug 16th 1883

RECEIVED AUG 21 1883

Aug 21 1883

FILE NO.

Thos. A. Edison Esq —

Dear Sir

Yours to hand — I have always made it a practice here to run the pressure a little higher for about the first hour after starting and then gradually drop down — then at half past nine when the store lamps are put out, we drop a little lower, and again a little lower at about 11.30 when many of the hotel lamps are put out —

Conant is going to help me at Shamokin Station — I think I can manage all right without any other assistance — I will do my best to keep expenses down — I want to have a copy of those questions & answers relative to dynamos as soon as possible — I hurried to get them off to you, so had not time to write them off for myself — I want them for the Engineer & meter man for they both ought to have a good knowledge of dynamos &c. At present they could neither of them answer them all

Yours truly
Wm S. Andrews —

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Sunbury ~~New York~~, Aug 16th 1883

Saml. Insull Esq
New York

Dear Sir

Yours just to hand — I think it will be a needless expense for me to ship back to New York the dynamo switches, for, as I explained to you in my last letter, I can alter them easily and at small cost, so that they will answer our purpose well

If Mr Rich gets to Shamokin ~~tomorrow~~ (Friday) I will go over and see him, and find out the earliest time when I can commence operations at Central Station

Mr Conant expresses perfect

readiness to give me all assistance he can, in fitting up Shamokin Station, so I think I shall be able to get on all right without any other help — I will look over the switches and other things there, and advise you at earliest possible moment, if anything more may be wanted —

I will also see Johnson, and look over the wires with him

You may rely upon my hearty Co-operation with regard to Cutting all Central Station Expenses as fine as possible.

Mr Kerby is sorry that he Cannot Come with me, but

1883 08 16

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

3

New York, ... 188

I have told him that even if he came, I should not want him for more than about a week, and then he would be out of employment again. He has requested me to ask information of you as to the chances for getting on, a "local man" would have here. There are about five towns in this district that will be wanting the light. If he thoroughly masters the wiring business, would he be likely

to get anything like a good position as a sort of general foreman or something of that sort for the district? He is a man of some property here, and ~~as~~ would therefore be a responsible man, but he would rather work for the Wrg. Dept. where he would be likely to improve and advance himself, than for a small local Co. that could not of necessity give him any really permanent job

Yours very truly
Wm S. Andrews

1883-08 Sept 8.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,
~~New York~~, Sunbury August 18th 1883

Saml. Insull Esq
New York

Dear Sir
I beg to hand you my expense a/c for week ending Saturday, Aug 18/83.

I am happy to say that we are experiencing no trouble whatever with the wooden plugs (safety) last sent from New York — they do not draw the damp, neither do they swell, but are in every respect perfectly satisfactory —

Yours truly
Wm S Andrews

1883-08-18

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
NO. 65 FIFTH AVENUE,

Private

~~New York,~~ Sunbury Aug 18th 1883

Dear Insull Esq

I will remember to discourage our men in future if I can find any. Meanwhile take that sum out of them & send it rather painful to have once more to write on the money question. The engineer and meter-man are in debt all over the place for board and other things, and they cannot be expected to take a proper interest in their work when they receive so little consideration — Both of them are without money and are getting quite discouraged. Had I money of my own here I would advance their wages to them out of my own pocket but I am nearly as badly off

as they are — I really cannot stand this state of affairs any longer and cannot comprehend how there can possibly be any necessity of such protracted delay over so small a matter — $200 would put us all right — I cannot go to Shamokin until I have money, and if it is not forthcoming by Monday or Tuesday, on Wednesday I shall be forced to borrow enough to carry me to New York to draw some of my own — I really think it is too bad of you to leave us all in this fix and all for the sake of such a comparatively trifling sum — Please reply by return mail, and send money for I wish to avoid the expense and annoyance of a journey to N.Y. to say nothing of the loss of time — I shall certainly be obliged to come on Wednesday if I dont receive a remittance before that day

Yours truly W S Andrews —

1883-08-20

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Sunbury ~~New York~~, Aug 20th 1883

Saml. Insull Esq
65 Fifth Ave
New York City —

Dear Sir

Cheque for One Hundred and fifty Dollars ($150.00) safe to hand by this morning's mail —

I have paid the engineer — 90.00
And the Meter-man — 35.00
125.00

and enclose their receipts —

Of the balance left (Twenty five Dollars) I have had to pay out at once $20 for board — I must therefore ask you to be kind enough to remit a further cheque for not less than $50.00 — for I must pay the Photographer $10 for ½ doz photos of Sunbury Station — Kindly mail

this time without fail by return post for I want to go on to Shamokin on Wednesday to commence work there but shall be unable to unless I have the necessary funds supplied —

I have just returned from there this day, and have been over the lines with Johnson — Everything appears straight and right, and I do not anticipate any trouble — Mr Rich has set up the Engines, and is fast getting the dynamos in place — Mr Conant will accompany me, and I expect we shall be able to get on very well together

Referring to your letter to Mr Conant this morning respecting the Copper Still — I would say that he had nothing to do with the matter of —

188 08-20

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

its return to New York — Mr Rich had it boxed up ready for shipment and when you sent me orders to send back the other things, I naturally included the two cases containing still and worm, and I duly notified you of the shipment — With this lot of goods I also sent a box of steam fittings, which had been packed up by Mr Rich — With the still, it takes three hours time and one man's attention with a hot fire to produce 1 Gal. of distilled water — Price of distilled water in Philadelphia 10¢ per Gall

August 29th 1873
W. S. Andrews
Sudbury
Ans. Business

had I not the still been boxed up all ready for shipping, I should have asked you about it before sending it off, but as it was, the inference seemed so plain that I never thought to do so —

Let me again beg of you to send me Cheque for $50.00 by return mail, for I am very anxious to commence work at Shamokin but having borrowed money here in Sudbury I cannot leave without settling up - You may see by my expense a/c that $25.00 is yet due to me after crediting you with $25.00 Change out of this morning's Cheque — Very truly Yours

W. S. Andrews —

Sunbury
8/24/88

Dear Sir:

Yours of Aug 23d at hand - stating that you had sent 250 Customers lice lead frames, also inquiring when we will be able to dispense with the foreman you sent us - as to the former we have not received them; as to the latter, I cannot say as he has just got regular started. We will get the new hotel & of course will want his services - We are very much pleased with the hole - I have had some payments to make, but I will be able to send you that the next week -

Respt Yours &c.

Form No. 1. 1883-09-03

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
311	YB	MBC Pellet	52

Received at 852 BROADWAY.

Sep 3 1888.

Dated Sunbury Pa 3

To TA Edison 65 Fifth av

Nell has gone to newyork

Frank J Marr

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

FRANK H. McCORMICK,
Attorney at Law,

1883-09-05

WILLIAMSPORT, Sept 5 1883

Thos. Williams Esq

FILE No.

Dear Sir — ~~$5000~~ 9000

The Illuminating Co. of Sunbury, is about to take steps toward placing some insurance on the building and machinery at Sunbury, and before doing so, would like if you would tell us what would be a fair rate on a risk of this character — I think we can place the risk to advantage in a New York Company through one of our local brokers — Please advise me at your earliest convenience as to your opinion in this matter and oblige Yours Resty

Frank H McCormick

1883-09-08

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union.

Sunbury, Pa., Sept 8th 1883

Dear Sir:

I am preparing for you a list of Consumers & their monthly bills. I am not able to give you a statement of our monthly statement of our Expenses. I should know from what date you consider the plant came into my hands. For instance you said I should pay the engineer from the 3d & the molesman from the 15th of August. How about the Coal bill? Slaymaker & Co. have spoken to me about their Coal bill. I think about next month, I will have every thing in shape to give you a fair solution. In regard to the balance due you, I will say we are making every effort to raise the balance of the money with prospects of success. One of our Subscribers ($200) will pay his as soon as you pay him. This is the element. If you could be willing I could make a turn here.

Respectfully
Frank S. Marr

446 1883-09-08

Sept 8/83

F. L. Marr

monthly statement

FRANK H. McCORMICK,
Attorney at Law,

1883-09-12

Consult to decide

WILLIAMSPORT, Sept. 12th 1883

Thos A. Edison Esq

Dear Sir — Yours of the 10th inst. enclosing letter to the Promoters of our Company and a letter to me as President, to be laid before the Board of Directors, has been received — I will see the other Promoters and get their views on the matter and if the proposition meets with their approval, I will lay the other proposition before the Board of Directors as soon as a meeting of the Board can be conveniently called — I understand your proposition to be as follows; That if we were to increase our Capital stock to $20,000. and you need $6000. of it, or 3/10, we as Promoters would transfer to you 3/10 of the $2,000. which would be coming to us from the New York Co., or in other words we would, if the stock was increased to the above amount, and you need the sum of $6000., of it, we would give you $600. of stock in addition to the $6000. taken by you as payment of your claim against us.

If we accept your proposition it will have to be done subject to one of our By-laws which provides that on the increase of the capital stock the stockholders shall have the right to take such increase in the proportions of their holdings — But this would not injure you any as whatever stock would be taken in this way would be so much cash to be paid to you — We will try and get the matter in shape as soon as possible — Yours truly

Frank H. McCormick

FRANK H. McCORMICK,
Attorney at Law,

1883-09-12

WILLIAMSPORT, 188

1883-09-19

FRANK H. McCORMICK,
Attorney at Law,

WILLIAMSPORT, Sept 19 1883.

Thomas A. Edison Esq

Dear Sir –

Replying to yours of the 10th inst. containing proposition of settlement of your account for installing Sunbury Electric Light Plant, would say:

I laid your proposition contained in the letter addressed to the "Promoters of the Edison Electric Ill. Co. of Sunbury" before the five charter members, or promoters of the Company, and by their authority I accept the proposition, a majority of them having agreed thereto, and at a meeting of the Board of Directors held yesterday at Sun-

1883-09-19

FRANK H. McCORMICK,
Attorney at Law,

2

WILLIAMSPORT, 188

bury I presented your proposition directed to me as President –

The proposition was formally accepted by the Board and the balance of the Stock remaining untaken was directed to be issued to you as part payment of your claim against the Company, to be taken at par, said balance being $4100., and a resolution was passed providing for an election for the increase of the Capital Stock, to be held on Monday November 19th 1883, the balance due you (about $1900.) to be paid out of the increase – The election has to be advertised at least 60 days so that the 19th of Nov. is

about as soon as it could be had -

As I understand that you intend being in Sunbury some time next week I thought that we would not send the certificates to you now but wait until you are in Sunbury and you can then receipt for them on the stub of the book, but if you do not intend being here or are not satisfied with this arrangement we will send the stocks to you by mail, This arrangement being made of course subject to the provision in our by laws mentioned in my last letter to you,

allowing the stockholders to take any increase of stock in the proportion of their holdings, but from the experience we have had with them, I dont think there is any danger of their taking any very large amount of stock in a hurry, and if by any possibility they should do such a thing, the cash would of course go to you instead of the stock -

Please advise me what you want done about the certificate for your stock and allow me to say for myself, and I think it is also the feeling of the other promoters, that I

1883-04-19

FRANK H. McCORMICK,
Attorney at Law,

WILLIAMSPORT, ... 188

Consider your offer of compromise a very fair one, and that it shows a disposition on your part to help the Company when it is in difficulty that should be remembered by them with a feeling of gratitude.

Very truly yours
Frank H. McCormick
President

1883-09-24

M. L. Snyder,

vs.

Attorney at Law,

Sunbury, Pa. Sept 24 1883

File

Thos. W. Edison Esq.

65 Fifth Ave

New York City

Dear Sir:—

I have placed in my hands for collection a bill against you for stones furnished for the building of the central station electric light building at this place & ordered by W. D. Rich Supt. The whole bill amounting to the sum of $130.65 & said stones having been furnished by Mr Oberdorf & who has placed his bill in my hands for collection. you will please send your check to me for the amt. $130.65 by return mail & by so doing you will save any further costs

& trouble, for if the bill is not paid at once I will proceed according to law & collect the same. I hope you will give this matter your immediate attention & let me hear from you by return of mail.

I am, Respectfully yours,

M. L. Snyder

Sept 24 13
Mr L. Snyder
Encloses bill
for building
Material ordered
by Mr Arch

IN NEW YORK the other morning is said to have been caused by electric light wires of the Edison system. This is one of the things to make a note of, for, though it is not difficult to make the system safe, carelessness in insulation or the use of wires that are too small, is attended with danger from fire in spite of safety plugs.

1883-10-c

Marr,

Attorney and Counselor at Law,

Subscriber to SLOAN'S LEGAL AND FINANCIAL REGISTER and Member of the CONTINENTAL COLLECTION UNION

Sunbury, Pa., Oct 9 d 1883

Dear Sir:

What are the fact in reference to the inclosed – It is a slip taken from the Public Ledger of Phila of Sept 29th – It is being used against us —

Resp't

Trubellar

There was no fire except in a service pipe 4 feet underground where there is no safety Catch = no fire can or has ever happened in our district & we have reduced the average fires 35 per cent in our district in 1st year —

Edison

1883-10-10

Credit Sunbury E. E. Ill Co

Debit Sunbury Ill Stock 4100.00

~~with~~ for 41 Shares of the Capital Stock of The E E Ill Co of Sunbury at 100$ per Share ~~to~~ Transferred to Thos. A Edison on the 10th day of October 1883 as per certificate No 38.

NEW YORK, 188

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

1883-10-13

KNOW ALL MEN BY THESE PRESENTS,

That I, Thomas A. Edison do hereby constitute and appoint Samuel Insull, F. P. McDermick and F. S. Mar or either of them Attorneys and Agents for me, and in my name, place and stead, to vote as my proxy at the annual meeting of the Stockholders of the Edison Electric Illuminating Company of Sunbury, called for the purpose of electing officers and trustees for the ensuing year, to be held on the 14th. of October, 1883, or any adjournment thereof according to the number of votes I should be entitled to vote, if then personally present.

IN WITNESS WHEREOF, I have hereunto set my hand and seal, this 13th. day of October, one thousand eight hundred and eighty three.

Sealed and delivered in the Presence of

Thos. A. Edison

Klum

1883-10-13

KNOW ALL MEN BY THESE PRESENTS,

That I, Thomas A. Edison do hereby constitute and appoint Samuel Insull, F. H. McCormick and F. D. Mar or either of them Attorneys and Agents for me, and in my name, place and stead, to vote as my proxy at a special meeting of the Stockholders of the Edison Electric Illuminating Company of Sunbury, called for the purpose of voting upon a proposition to increase the Capital Stock of the company from $16,000. to , to be held on the 15th. of November, 1883, or any adjournment thereof according to the number of votes I should be entitled to vote, if then personally present.

IN WITNESS WHEREOF, I have hereunto set my hand and seal, this 13th. day of October, one thousand eight hundred and eighty three.

Sealed and delivered in the presence of

Thos. A. Edison

Klein

1883-10-23

HENRY C. McCORMICK.

Williamsport, Pa., Oct. 23, 1883.

Thomas A. Edison Esq.

Dear Sir –

Mr Marr has referred to me a letter from F. S. Hastings Treas. bearing date Oct. 18, 1883, and containing bill of $357.80 for lamps shipped to Sunbury. I have written to Mr Hastings telling him of the high average of broken lamps and asking for a definite understanding of what may be expected in the future, and who is to pay for broken lamps.

Something must be done about this matter, we average 100 broken lamps a month with only 260 lamps in circuit and if the breakage continues in the same proportion, we will have about 200 broken lamps a month when we are running to our full capacity – The lamps must be defective and we do not feel like paying a bill for lamps from which we receive no benefit. I wish you would look into this matter and see if something cannot be done, The average certainly does not reach up to 600 hours to the lamp as represented to us. Please give it your attention and advise me –

Very Truly Frank H. McCormick Pres.

61

Mr Edison

Oct 23 1883

Frank H. McNeil

Cornwick

re - the undue breakage of lamps

Conants letter explains this - they have been running those 10 C.P. Camps away up and causing tremendous breakage

Yates

Oct 24/83

[INCOMPLETE. FROM THOMAS A. EDISON CONSTRUCTION DEPT.?]

1883-10-24

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.
This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
D52 Ny			33 paid 7 90

Received at Oct 24 1883.

Dated Menlo Park 24

To Sam'l Insull

Care A Stuart Cor 6th & Vine

Conant reports sunbury gross receipts to sixteenth instant two hundred seventeen dollars seventy Cents uncollected Bills to date sixty nine twenty nine present Estimates daily expenditure seven dollars seventy two Cents he

1883-11-03

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union

Sunbury, Pa., Nov 3d 1883

Dear Sir:

In reference to the contract for 32 lamps which you spoke about, I will say that the parties do not like to pay & will not pay the price you proposed — The hotels are very anxious to have them but they claim they cannot pay 24 dollars a year — They are our largest consumers & their bills are running very high — They have threatened to turn their light out — I recognize this fact that we cannot afford to lose a consumer — The report has gone abroad that we have lost some of our consumers — While it would not hurt us so much here, it certainly would interfere with your business at other places — We could explain it to our people, but you might not be so successful at other places — Next week I propose to put up several 32 candle lamps on our streets in such a way as to be beneficial to our hotels — I will burn them for a month & then I would like to be empowered to go to the hotels & make a little better contract

1883-11-03

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to Sloan's Legal and Financial Register and Member of the Continental Collection Union

Sunbury, Pa., 18

for only one year — By that time we will have our entire plant in & we can get along without them — I suggest $50 per year — It would strengthen us with the people & with the hotels too — I have tried the policy of inaction for some time according to your suggestion & I think it has worked well — The people are now coming to us — The hardest think for them to get over is that their neighbors only paid $100 per light — But that is wearing off —

Next week when our street lights are up we all propose to go to work — We think we can run it up to 400 lights — I have offered the plumber to stand the service wire, where we cannot collect for it — Our engineer & meterman will assist in putting in the service so that it will cost us as little as possible —

I wrote to the Reading Rail Road officials about wiring their new depot — The Supt. indorsed my letter favorably to their Traffic Agent & he did likewise to the Architect — So I would not be surprised if we got the contract — In order to accommodate them we will have to extend our mains —

1883-11-03.

Frank S. Marr,

Attorney and Counselor at Law,

Subscriber to SLOAN'S LEGAL AND FINANCIAL REGISTER and Member of the CONTINENTAL COLLECTION UNION

Sunbury, Pa., ... 18

Don't you think it had better be done before the cold weather sets in — We can put them in to 2d street & then if the Reading wants it we will only have half a Square to go — While at it we need extra another set of mains which will reach several Customers — My impression is it should be done at once —

The new lamps as far as giving light is concerned are doing well — We are running at 105 volts but they are fearfully — the might equal of them arced & burnt out the plugs — This has not happened to us for some time — Your letter to Mr McCormick about my instructions to the Engineer does me an injustice — I explained fully to Mr McCormick & he will write you — I have also written to Mr Conant to make another examination & I think he will have to go back on his report —

Respectfully
Trunkstaff
Treas —

Lamps

HENRY C. McCORMICK.

1883-11-05

An Expert from the Lamps of Edison

Williamsport, Pa., Nov 5 1883

coming = I suspect that your

Thos. A. Edison local man has cut some people

Dear Sir – On the receipt of your letter a few days ago in relation to the breakage of lamps at Sunbury, I sent it with one to the same effect from Mr Hastings to Mr Marr and asked him to explain the statements contained in it – Mr Marr wrote me a very indignant letter, denying emphatically the charges made against him and says the same letter gave me a full history of the breakage and just what has been said and done – In the first place he says that you directed the engineer to start half an hour before dark and run 3 or 4 volts higher than the normal. When Mr Andrews gave the instructions, he wrote them out and put them up as follows: 120 C.P. 116 volts at starting

115 " to 9½ o'clock

600 hours " 10 to 30 "

113 " 2 A.M.

The week before Mr Grant came the breakage was for one week and two days, 40 lamps, after he left and after they were running several volts lower according to his instructions, the breakage was for one week and three days 55 lamps – Now as to the assertion that Mr Marr told the Engineer that "he should run the dynamos to their fullest capacity", and that "he preferred to have them run beyond their normal incandescence", Mr Marr denies that he ever, at any time, said anything of the kind, and after examining the Engineer and Meterman we find it sifted down to this, the Engineer says that Mr Marr never gave him any instructions of that kind, but he says that the Meterman told him that Mr Marr had said that "he should run as high as he could and let the lamps break", and the Meterman says that "Marr

1883-11-05

HENRY C. McCORMICK.

Williamsport, Pa., ...

"for him to tell the Engineer "to go as high as he was "allowed by his instructions and if the lamps broke it was "not our fault" — The fact of the matter is that the Meterman Tucker rather wild and Mr Grant without saying anything to Mr Marx accepted as facts the statements made by the Meterman — But whatever these statements were, and whatever directions were given, the Engineer states most emphatically that he never in any instance ran higher than his written instructions given by Mr Andrews, warranted — If we were running too high, why did not Mr Andrews, who had charge of the plant until the middle of August, change his instructions — And why did more lamps break after Mr Grant had been to Sunbury and we were running several volts lower according to his instructions.

Since we have been running so low there have been a great many complaints made by consumers and a large part of them are burning gas with the Electric light. One man on being asked why he was burning gas, said that he was looking for the Electric light. Now we have been given to understand distinctly that these lamps are guaranteed for 600 hours, and as we have never exceeded the instructions given by your men, we can say with emphasis that <u>no</u> lamps have been broken

1883-11-05

HENRY C. McCORMICK.

Williamsport, Pa., ...

through neglect or carelessness on our part or on the part of our employees, Even if Mr Marr had said what he is charged with saying which we deny, the fact remains the same that the Engineer can no higher than his instructions warranted — We therefore feel that it would be unjust to ask us to pay for these lamps as we have not received value for them. In the last lot that was sent there were several lower volt lamps mixed in, and of course when these were put in they broke —

Now could you not send some <u>competent</u> man to examine into this matter, We understand that the lamps are not breaking in this way at Shamokin and other places, and we would like to have the defect whatever it is remedied as soon as possible — Please give it your attention, and oblige

Yours Resty

Frank H. McCormick
Preest.

Will you please show this letter to Mr Hastings and ask him to consider it an answer to his letter on the same subject.

67 Sunbury
Nov 15/83

Dear Sir:

There will be a meeting of the Stockholders of the Edison Electric Illuminating Co. of Sunbury to Sunbury at the office of the Undersigned on Monday Nov 19th at 3 P. M.

to consider whether or not the Capital stock of said Company shall be increased or not & if so to what amount —

Frank Sellers
Treas & Sec

1883-11-15

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

Sunbury, Pa Nov 15th 1883

Dear Sir:

I have ordered cleats of Jno Bergemann & Co & now I would order for you as you direct the cable. I do not know how to order it, except send me enough to put in 100 lights — We have one roll of red cable, some of our customers want white — You can divide it between the two colors — I generally would like to know the price of it; I understand it is to be cheaper than the other In regard to the breakage of lamps — I think you do our metterman an injustice as you did our Engineer before — Mr Howell an agent of the lamp Company acquits us of all blame. He says the indicators were not put in properly You will see him when he will explain fully — We were as anxious as you were to know where the difficulty was — Respfully
Sellers

1883-11-15

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

Sunbury, Pa Nov 15th 1883

Dear Sir:

I enclose plan of your building with extension — Please calculate what it would cost us to make the extension — If it is going to cost us too much, it might be policy not to do it —

We had a stockholders meeting yesterday. It was unanimously carried to increase the capital stock to $20.000 —

We are getting along nicely — our metterman will not make a collection of lamps until to-morrow I presume you have heard the report of Mr Howell —

Our not getting the new wire he has done us some injury — One or two of my men, who resented working done, have changed their minds —

Please see that we are taken care of in this matter —

Respt
Sellers Co

1883-11-23

LAW OFFICE OF

FRANK S. MARR.

ATTORNEY AT LAW.

SUBSCRIBER TO BLOOM'S LEGAL AND FINANCIAL REGISTER AND AGENT FOR THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa. Nov 23d 1883

Dear Sir:

I enclose state plan for Extension of Mains, prices as you ordered — About new wire, please send us a coil of No 16 & one of No 14 — We have one of No 18 I received from Benjamin Vho the cleats & brads, but no "tape" — I ordered them from B & Co — but they did not send them — from whom as I to order —

Respy

Lewis Sellers

Treas.

1883-11-23

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
578	Co	Dy	HPd	

Received at 852 BROADWAY.

Nov 23 1883.

Dated Sunbury Pa 23

To Thos A Edison

NY

Yes it will do

Frank S Mark

Recall

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

[FROM THOMAS P. CONANT]

Form No. 1.

1883-11-27

THE WESTERN U[illegible] TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages o[illegible]iting its liability, which have been assented to by the sender of the following messag[illegible] Errors can be guarded against only by repeating a message bac[illegible]tion for comparison, and the company will not hold itself liable for errors or delay[illegible] in transmission or delivery of Unrepeated Messages, beyond the m[illegible]s paid thereon, nor in any case where the claim is not presented in writing within sixty day[illegible] after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
42	C. A. H. Conant		906

Received at **852 BROADWAY.**

Dated Sunbury Pa Nov 27 1883.

To Sam'l Insull 65 fifth a

Sunbury all right

Conant

This telegram has just been received at the office in S[illegible]WAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-12-03

vs.

SUBSCRIBER TO BLOOM'S LEGAL AND FINANCIAL REGISTER AND MEMBER OF THE CONTINENTAL COLLECTION UNION.

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

How about the price of cut-outs

Sunbury, Pa Dec 3d 1883

Thomas A. Edison Esq

Dear Sir:

I have received orders for wiring the new Reading R. R. Station – I will put men on to-morrow – Have you made out the estimate for the extension of the mains? Please do so, & send us the wire for it at once – We must get our poles in before it gets too cold – Please send us all instructions necessary & we will have of our telegraph men in town to put up the mains –

I received your coils of wire for inside wiring & all necessary for the work except the lift cut-outs – I have written to Benjamin Co several times, but if I understand it, they want 40 cents each for them – This would be 40 dollars – I borrowed enough from Shamokin to go ahead – Please answer at once –

Respt
Frank S. Marr
Treas

1883-12-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Lawrence Mass
~~New York~~, Dec 5th 188

Dear Insull Esq Write to Mr To.
a New York - investigate this &
let us know
Yours Ev — can send another
now

I saw Kerby this morning and
he showed me a letter from his wife
wherein it was stated that the
Engineer in charge of our Station
in Sunbury Pa
~~Thus~~ A William Bateman, got drunk
the other night and left Station
to care of a boy - Moreover
Eight men out organized while there
and City Police Force threaten

1883-12-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

to go back to gas, unless there is a change for the better — I cannot [illegible] vouch in any way for the truth of these reports, but [illegible] to be my duty to inform [illegible] that enquiry may be made —

Very truly Yours
W. S. Andrews

1883-12-08

Copy.

Williamsport, Pa., Dec. 8, 1883.

Samuel Insull, Esq.

Dear Sir:-

In reply to yours of the 5Th inst. inquiring as to what the experience of the Edison Electric Illumminating Co. of Sunbury has been, I would say; we have now been running about three months, are wired for 330 lights and have contracts for 100 more, which will be put in in the course of the next Month, and from wh what is said by the consumers we think that inside of a year from htis date we will have at least 1,000 lights burning; we have thus far confined ourselves exclusively to stores, hotels, R.R. Stations and other public buildings, we expect that we will be compelled to double our capacity when we commence lighting private dwellings.

The estimated daily expense of running the plant, according to statement furnished to me by our treasurer, Mr. Marr, is $7,04 and we are now, with only 325 lights actually burning, earning four per cent, on our capital stodk, over and above all expenses. As the expense will not be increased to any appreciable extent when we are running to our full capacity we expect, and with good reason, to be earning at least 20 per cent, on the capital stock within the next year.

Our consumers are very much pleased with the light, and in no instance have any one of our lights been taken out, or failed to give satisfaction, and this in the face of the strongest opposition from the Gas Co.

1883-12-08

The Gas Co. has cut 75 per cent, in its prices and has offered special inducements to the heaviest consumers, and notwithstanding the fact that we have kept to the price we first charged, viz. $2,50 per thousand, they have not succeeded in taking any of our consumers from us or prevented us from getting any new consumers that we wanted.

The stockholders of the Co. are very well pleased with the results thus far, and look forward to large dividends in the near future.

Very Respectfully Yours,

Frank H. McCormick.

President.

1883-12-08

HENRY C. McCORMICK,
FRANK H. McCORMICK,
SETH T. McCORMICK.

RECEIVED
DEC 10 1883
ANSWERED
FILE NO.

WILLIAMSPORT, PA., Dec. 8th 1883

Samuel Insull Esq
Dear Sir —

Yours of the 5th inst in relation to bal. of a/c between the Sunbury Co. and Mr Edison has been received —

The reason the Stock has not been issued to Mr Edison is, that the Stockholders have the right to take their proportion of the new issue at any time within 30 days, we therefore cannot issue the Stock to Mr Edison until the 19th of this month, at which time it will be attended to unless taken by other subscribers, in which case ~~cash~~ cash will be found. I have written the letter as requested by you and hope it will be of use to you

Yours &c
H H McCormick Pres.

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

RECEIVED
DEC 20 1883
ANS.

SUBSCRIBER TO GLENN'S LEGAL AND FINANCIAL REGISTER AND MEMBER OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa Dec 8th 1883

188

Dear Sir: FILE No.

The information you have received must have come through the old Source Mr Rich – He seems to take considerable interest in our welcome – If he were the man he thinks himself to be, he certainly would inform me before carrying news to head quarters – What information he has heretofore lodged, has been colored so completely with his own prejudices that the small grain of fact involved, has been magnified to the extent of a crime – I would make a counter-charge against Mr Rich in that he has acted against us, rather than for us among some of our large Consumers – At the City Hotel one morning, when it was near time for stopping, he was taking breakfast at the City Hotel – The lights

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

(2)

SUBSCRIBER TO GLENN'S LEGAL AND FINANCIAL REGISTER AND MEMBER OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa 188

were not as bright as usually, when he ordered the lights put out & told the Proprietor to light the gas, as he could not see the way to his mouth – He then proceeded to ~~[illegible]~~ Extinguish the light – This came from one of the Proprietors of the hotel –

Now as to the City Hotel, it is a well known fact that they have more trouble with the light than at any other place – It was wired by the Wiring Department & there is certainly some defect that we know not of – In regard to the town, the light is not as good as it was – You well enough know, that you complained that our lights were too high – hence the breakage of lamps – & we have gradually been lowering the light – The Consumers of course remunerated, but finally were satisfied but now for one of your men to come

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

(3)

SUBSCRIBER TO ALGEN'S LEGAL AND FINANCIAL REGISTER AND VIEW BER OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa 188

here & raise a disturbance just as we were getting matters in good shape, it is a little hard on us – To show that the depot is appreciated, we have but to say that we have not lost a consumer & are getting new ones – We have contract now for wiring the new Reading Station & the Clement House & a number of others who will take the depot & the only question is a few dollars in the wiring –
In regard to the city police, I have told Mr Edwin, & every man who came here that there was something wrong –
Now as to the engineer being drunk & leaving the station in charge of a boy – I was at the Station about 7 o'clock in the evening & every thing was in good shape, the engineer was not drunk, nor did he show that he was drinking – About ten o'clock I noticed

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

(4)

SUBSCRIBER TO ALGEN'S LEGAL AND FINANCIAL REGISTER AND VIEW BER OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa 188

the lights going down – I thought something was a matter & walked down to the Station I found the engineer asleep in his chair – now let me explain, you know we have but one engineer – He is obliged to be at the Station at 8 o'clock in the afternoon & be there until 8 in the morning – And after examining the lines, you will see he has not much time to sleep – I countenanced his getting a small boy & allowing him a few hours sleep in the early evening before the boy leaves – This boy left & wakened up as he thought, the engineer but that he did not do – When I went there, the engineer was asleep, he was not under the influence of liquor, but he immediately put matters in shape – The business lasted half an hour – He presented his resignation which I refused to accept –

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

(5)

SUBSCRIBER TO ALDEN'S LEGAL AND FINANCIAL REGISTER AND HEAD OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa 188

There was some inquiry, but it was satisfactorily explained - There were but a few lights on at the time -
I have now made different arrangements - I have the engineer run to 12 Midnight & then have another man on, - This other man is paid out of the Engineers wages & what he can make out of wiring - He is the man who has been doing all of the wiring for the Plumber - I have taken the ~~plumbing~~ wiring out of the Plumbers hand I think this will settle all difficulties But I do protest in your men lodging information that is so one-sided, If they will but consult me & if I cannot explain, let them send it in - The Engineer did acknowledge he had taken some beer in the daytime when off duty - & it may have had some effect upon his sleeping -, but he has promised to

1883-12-08

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

vs.

(6)

SUBSCRIBER TO ALDEN'S LEGAL AND FINANCIAL REGISTER AND HEAD OF THE CONTINENTAL COLLECTION UNION.

Sunbury, Pa 188

refrain entirely -
Thanking you for your promptness in the other matters & also of referring the charge to me for explanation, I remain
Your Respt.
Frank S. Marr

1883-12-14

[illegible]

vs.

tell Mr. [illegible] to have his Engineer write us all about that belt.

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

Sunbury, Pa Dec 14th 1883

Dear Sir!

I believe the complaint about the belt is that it was spliced & every revolution shows a flicker in the light – I know nothing personally about the belt being replaced except what the engineer says I know it was understood that there were some things just in the station temporary especially the engine & that was to be replaced by another, but we have no complaint to make against it –

Respt
Geo K Allen
Secy –

To Thos A. Edison
New York –

In regard to water supply, I will say that we have made arrangements with the water company & will be in operation by the 1st of January –

vs.

SUBSCRIBER TO ELGIN'S LEGAL AND FINANCIAL REGISTER AND MEMBER OF THE CONTINENTAL COLLECTION UNION.

LAW OFFICE OF
FRANK S. MARR.
ATTORNEY AT LAW.

Sunbury, Pa Dec 20th 1883

Thomas A. Edison Construction Co.

Gents:

You ask the engineer to give you a report in reference to the belt – I now write at his dictation – The belts are spliced & the splice is very heavy – This very heavy splice cause a tremor in the light & besides the belts are stretched so long that we dare not stretch it any more, as the machines are now over the bed – Consequently it would be necessary to splice them again, which we do not do, as there would then be two splices – Mr Edison spoke about it when here & said he would replace them by new belts – The belts we have are as good as new, with the exception of the heavy splice & as we would have to splice again, it would make our light very unsteady – Resp Frank S Marr

(over)

LAW OFFICE OF
FRANK S. HARR
ATTORNEY AT LAW

Chicago, Ill. June 1883

Alfred M. Gardner Esq.
Fort Dodge
Iowa

Dear Sir:

I have seen the engineer
of the Illinois Central R.R. Co. in this city
& have spoken to him about your case —
He says he should have the
belts at once — He says it places him
in a very awkward position — By one of the
belts breaking, he is then at the end of his
road with a crippled locomotive and running freight
trains — He would have one engine & that is liable
at any time to break, & also one pair of belts
So please attend to it at once — Yours

1883-12-24

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, 24th December 1883.

Sunbury Pa

Mr. Tate,

In reference to proposed extension in above place, please send local parties the map herewith, requesting them to indicate in Red pencil, all lamps that are at present connected, or likely to be connected at any future time (this to give sufficient size to mains) on mains 2-A-C & 2-B-C, also in what particular spot or on which particular main each lamp is connected; also if B-C is connected.—

As I understand it, from Feeder 2, north of my white line, they only have mains 2-A & 2-B connected, & they wish to add on B-C & A-C, making 2-B-C-A, a closed system.—

Please find out size of 2-B, 2-A & B of Feeder 2; also how many lamps (if any) ~~connected~~ are supplied by Feeder 2, outside of the 2-B-C-A system. I cannot do anything reliable before receiving all this information.

Mr. Cooke has again bolstered up his Canvas of Portland. We must write him in reference to it. I will give you memo. A-P.T.

Form No. 1.

1883-1228

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
219	Ca	K 16 Pa	110

Received at 852 BROADWAY.

Dec 28 1888.

Dated Sunbury Pa 28

To Thomas A Edison 65 5th ave

Have been away the distance you spoke of is ten feet and two inches for Belt.

Frank S Marr

Treas

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

(1883) 1

Sunbury.

Consumers.

		No. of Lamps	No. of Lamps
25 St. Mich	Central Hotel	19	
" " "	City Hotel		17
6 " "	Whitman & Austin - Tailors	5	
" " "	Koch & Strouse "		6
12 " "	D. Heim - Hardware		7
" " "	H. B. Smith - Dry Goods		10
6 " "	E. G. B. Smith - Jeweller	5	
" " "	J. Kritchan	4	
12 " "	St. Charles Hotel	6	
" " "	Star Restaurant		7
25 " "	P & L. R.R. office		8
6 " "	Dr. Renn - Drugs.		4
" " "	" Martin "		5
" " "	P. P. Smith - stationery -	6 1.16	
12 " "	M. Loeb - Furnishing Goods.	9	
6 " "	W. Hileman - cigars	3	
" " "	R. P. Mahontingy - Telegraph.	2	
" " "	B. Sidle - Cigars -	3	
12 " "	Oppenheimer - clothier	10	
6 " "	L. Wertzel		5
" " "	L. Hunteicker		3
" "	Dr. Melick - Drugs.	3	
" "	" - Haupt - "	4	
" "	H. K. Zaegley - Grocer		4
" "	Frank Man - Tailor.	3	
12 "	J. B. Reed - Gas Fitter &c.	6 1.16	
" "	Packer House		9
	Carried over	78	75

Sunbury (1883) 2

	Brought Forward	78	45
6 Lights	John Gentner - cigars	2	
" " "	S. B. Boyer - Farm	2	
" " "	E. S. Young - Barber		4
" " "	S. Reily - Grocer	5	
" " "	J. Messner - Restaurant	5	
50 " "	Neff House		42 1.32
6 " "	W. L. Dennis - Private	5	
" " "	E. P. Smith - Shoes		4
" " "	- Faust - Hats	1	
" " "	J. W. Rake & Co. Tailors		3
" " "	Marx & Bro - Fancy Goods		5
12 " "	Hill & Neff - organs	10	
6 " "	Wm Mann - Restaurant		6
" " "	Clement	1 32	
" " "	J. M. Masonk		4
" "	S. Conrad		2 1.16
" "	John Haine - Barber	3	
" "	Billiard Hall		6
12 " "	Geo. V. Brice		13
	Total	122	174
	or Reducing 16c & 32c to = 10c	125	177

Giving a total of 302 lamps which average about one dollar per month

Sunbury

50 Light Motors	-	1	-	in use
25 " "	-	3	-	" "
12 " "	-	10	-	" "
6 " "	-	22	-	" "

Total number of Consumers = 46

Number of Consumers to be yet connected is uncertain. Could obtain no figures - People are waiting in hopes of reduction in cost of installation.

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Pennsylvania - Williamsport (D-83-062)

This folder contains correspondence, agreements, lists of stockholders, and other documents relating to the construction of the Williamsport central station and to the organization and management of the Edison Electric Illuminating Company of Williamsport. This company also acted as an agent for Edison in the organization of other Pennsylvania companies. Much of the correspondence is by John R. Campbell of the engineering department and by P. B. Shaw, who served as state manager for central station systems in Pennsylvania. There are also letters by representatives of the Edison Electric Illuminating Company of Williamsport, including Henry C. McCormick, president, and Thomas C. Detwiler.

All the documents have been filmed.

J. CLINTON HILL,
Attorney at Law,
78 PINE STREET.

1883-06-21.

Williamsport, Pa., June 21st 1883

Thomas A. Edison,
Dear Sir. —

In response to your of June 19th I send you by Express to day, Canvass and Map of that portion of the City of Williamsport lying West of Hepburn Street. —

I fear that it will not be to our interests to commence on too large a scale. If you can give us an estimate of the cost of a plant to cover the portion of the City heretofore returned — apart from the portion West of Hepburn st. along with the general estimate, I think it would be well.

Very Truly
Yours —
J. C. Hill
Secty. E. L. Ill. Co
of Wmsport

1883-07-03

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, July 3. 1883

T. A. Edison Esq
Menlo Park

With this you will please find plan of Williamsport Pa. Some time ago you recd the Easterly portion with 3474 lights dated June 12th 1883. The remaining portion although apparently canvassed in May did not reach this dept until June 22nd. It was found impossible to be sure about the location of many of these lights, but as the whole number West of Hepburn St, over about 6000 ft in length is about 2600 they are not very thick anywhere.

Yours resp.

Robt J Dodge

Form No.

1883-07-07

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
1	Wnn	M	16 Pd

Received at 11-55 a.m. 7/7th 1883.

Dated Williamsport Pa

To Thos. A. Edison

City Hotel

O—

I am particularly anxious to have you spend sunday here is it possible to do so;

P. B. Shaw

1883-07-21

5

Williamsport July 21 1883

Thos. A. Edison Esq

Dr Sir

I will deliver in Williamsport on Cars or Canal boats Chestnut Poles of the following dimension nice and Straight at the following Prices

Poles 60 feet Long 24 inch over Strung
" Measure Top End free from
" bark at $24,00
" 50 " " " " $19,00
" 40 " " " " 10,00

Yours Respt

S. P. Dunkel

NB
Same figure for Bellfonte

1883 07-31

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., July 31st 1883

Thos A. Edison
65 Fifth Ave N.Y. City

Dear Sir-

I enclose you herewith a letter from the parties who furnish the poles at Shamokin - I met Mr McConnell a few days ago - and asked him to quote prices for poles delivered & Rail Road 41.50 and 60 foot - It may come handy among your files -

Very Truly yours
P. B. Shaw

[ENCLOSURE]

1883-07-25

D. R. CULP. C. Q. McWILLIAMS. W. C. McCONNELL.

Office of KULP, McWILLIAMS & CO.,

MANUFACTURERS AND DEALERS IN ALL KINDS OF

OAK AND WHITE PINE LUMBER,

PROP TIMBER, MINING TIES, SHINGLES, &c.,

ALSO MANUFACTURERS OF BRICK AND DEALERS IN TROUT RUN ICE.

Shamokin, Pa., July 28th 1883

P. B. Shaw, Esq.,
Williamsport, Penn,

Dear Sir:-

In regard to Electric Light Poles would say, that we are about buying a track of fine Chestnut timber at which time we will give you quotations on said poles,

Yours respectfully
Kulp McWilliams & Co,

1883-08-02

Williamsport Aug 2nd 1883

Thos. A. Edison Esq

Dear Sir

Yours to hand and in reply will say to you that you think my prices to high if you will please name a figure you are willing to pay and the amt. wanted I will see if I can produce them the N & other Co are always ready to do that so shall await your reply

Yours Respt

name time of Delivery

S P Dunkel

Newport Aug 11th 93

Thos A. Edison

Dear Sir,

Yours of the 11th inst. rec'd. The blue print did not come on the morning train, but I will get it this afternoon. I will go to Bellefonte myself on Monday morning, have the matter attended to, and send it to you on the Evening Mail. Mr. Shaw is still in Cincinnati, and has not written when he will return. Regards to Mr. Insull. We are doing our best to pain the remainder of payment on Sinking plant, and will remit as soon as we succeed.

Yours truly
Thos C. Sellers

P.S. Blue print rec'd this Evening

1883-08-31

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

SEP 4 1883 ANSWERED

Sept 4 83

FILE No.

R. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Aug 31st 1883

Thos. A. Edison
65 - 5th Ave N.Y. City.

Dear Sir,

The Edison Electric Illuminating Co of Williamsport are worrying the life out of me for an Estimate of the cost to install the plant and to know the capacity of the same Can you Enlighten me on the subject

Very Truly Yours
R. B. Shaw

[illegible]

Form No. 1.

1883-09

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
447	Kn Rd	FILE NO. paid	Cash

Received at 852 BROADWAY.

Dated Williamsport Pa Sep 10 1888.

To T. A Edison

Construction Dept

65 Fifth Ave

Where is map am waiting answer

J. R. Campbell

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

NIGHT MESSAGE.

1883-09-19

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within thirty days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
2492	Sy	mm	5 Paid

Received at the WESTERN UNION BUILDING, 195 Broadway, New-York, Sep 19 1888.

Dated Williamsport Pa 18

To T. A. Edison Construction Dept 65 Ave 5 Ny

NUMBER	SENT BY	REC'D BY	CHECK

Maps & figures forwarded today

J. R. Campbell

DIRECT WIRES.

1883-09-24

MOST CENTRAL HOTEL IN THE CITY.

FREE 'BUS TO AND FROM ALL TRAINS.

CITY HOTEL,

H. T. SALLADE, Proprietor.

Williamsport, Pa., Sept. 24 1883

Thos. A. Edison Esq.
65 Ave 5
N.Y.

Dr Sir

Having today seen Mr Shaw he informs me that he met you at Shamokin Saturday Evening and in conversation regarding right of way through private property, you preferred that I should attend to it, but as to this I was already aware, though he in talking the matter over with me prior to my last letter, thought he would take the risk in accordance with the stipulation

named in your last letter to me, and as stated in my letter of Saturday, I shall therefore give the matter immediate attention and think shall be able to leave here Wednesday Aft. cannot do anything this Evening, but think can complete the circuit tomorrow.

I had anticipated a reply to my Friday letter today, though it may come to hand tomorrow

Awaiting your further instructions I remain

Very Respy

J. Campbell

Dr. Jno. Shaw Mackey
Jackson Miss.
Oct. 19/82

56

1883-09-28

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
5747	By Rd	Callick	

Received at 352 BROADWAY.

Dated Williamsport Pa 28 Sept 28 1883.

To T. A. Edison

Construction Dept

65 - 5th Ave N.Y.

Concessions Granted through Private property

Where next answer

J. R. Campbell

This telegram has just been received at the office in 352 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-09-29

MOST CENTRAL HOTEL IN THE CITY.

FREE 'BUS TO AND FROM ALL TRAINS.

CITY HOTEL,

H. T. SALLADE, Proprietor,

Williamsport, Pa., Sept. 29th 1883

Thos. A. Edison Esqr.
65 Fifth Ave.
N.Y.

Dear Sir

Enclosed please find permission from Mr Geddes as referred to in my last which closes the matter in this City.

Awaiting advices as to future movements I remain

Yours Very Truly

J. F. Campbell

[ENCLOSURE]

1883-09-29 Williamsport Pa. Sept. 29/83

The T. A. Edison Construction Dept. are hereby authorized to erect a pole in the rear of my premises for the purpose of Electric lighting

No. 187, Nut 4th St.

Estate of Henry Spend, dec'd
per Charles K. Gedey, atty.

1883-10-01

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.
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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
374	M	R	9 Collect

Received at **852 BROADWAY.** Oct 1 1888.

Dated Williams Port Pa

To T. A. Edison Constr Dept

Why no reply to letters & telegrams answ

J. R. Campbell

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-04

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
767	Cm	10 Nd	7 6

Received at **852 BROADWAY.** Oct 4 1888.

Dated Williamsport PA

To T. A. Edison

Constr Dept. 65-5 Ave

Need to draw at sight to avoid delay clock haven today

J R Campbell

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-21

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. — ZENAS W. GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
377	CSW	18 pd	

Received at 852 BROADWAY.

Dated Williamsport Pa 21 Nov 21 1888.

To Thos A Edison 65 Fifth Ave

Compose estimate sent you with original estimate think that give correct results will be at your office tomorrow O B Shaw

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-24

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
735	B	DY	7 Dd

Received at 852 BROADWAY.

Nov 24 1883.

Dated Williamsport Pa 24

To Thos A Edison

Stock of Williamsport Company all subscribed your estimate of fifty three thousand two hundred & odd dollars accepted & proper officers directed to execute the contract ~~[illegible]~~ send on the

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-24

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
737		DY	

Received at 852 BROADWAY.

Nov 24 1883.

Dated

To Contract not a single Item out please use your influence to hold open the ~~[illegible]~~ contract until you come

(Thos) P B Shaw

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-26

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
266	Co	L 8 Pa	287

Received at 852 BROADWAY.

Dated Williamsport Pa Nov 21 1888.

To Thos A Edison

Can You See Committee of Directors of this Company in New York Wednesday Morning eleven oclock Company wish hold execution of Contract until You are seen answer

Henry McCormick

President Edison Co

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-26

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
N-45	CG	R	14PA	284

Received at 852 BROADWAY.

Dated Sunbury Pa November 1888.

To Thos. A. Edison

Will be in your office eleven o'clock tomorrow important business in regard to Williamsport

J C Mercredy

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-27

Williamsport Pa Nov 27 1883

Thos. A. Edison Esq

Dr Sir

Some time since I met your man Mr Campbell and gave him figures I would furnish Poles as follows for you

25 ft poles 5 to 6 in Dia 120
30 " " " " " " 135
35 " " " " " " 200
25 " " 7 to 8 " " 150
30 " " " " " " 200
35 " " " " " " 300
40 " " " " " " 500

Shall be pleased to receive your order if satisfactory

Yours Respt
S. P. Dimmick
208 West 3 St

1883-11-28

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
221	Colin	Wood	

Received at **852 BROADWAY.** Nov 28 1888.

Dated Williamsport Pa

To Thos A Edison

65 - 5 Ave

Ordinance passed Common Council unanimously select hold over until Monday but I have pledged majority in its favor show McCormick

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. J. C. Detwiler

1883-11-30

HOWLAND HOTEL
LONG BRANCH,
— N. J. —

AND

GLENHAM HOTEL
FIFTH AVENUE,
Bet. 21st & 22d Sts. NEW YORK.

N. B. BARRY, Proprietor.

New York, Nov 30 1883

Dear Sir — Please send me by bearer the copy of Plan of Central Sta. Newport Pa — which I requested to take with me when I left your office on Wednesday last.

Yours
Mary A. McCormick

Mr. F. Lawrence Esq
City

Form No. 1.

1883-11-30

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
78	CM	SD	

Received at **852 BROADWAY.**

Nov 30 1883.

Dated Williamsport Pa

To Thos A Edison

65 5 ave

Twelve thirty Am Just arrived

Address Joseph Mabel

C. H. Cooke

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-30

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
574	GB	W	11 pd

Received at **852 BROADWAY.**

Nov 30 1883.

Dated Wms Port Pa 30

To Thos A Edison 65 Fifth Ave.

Man of Williamsport Not

yet rec'd send Notes by

express tomorrow

C H Cooke

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any re

DIRECT WIRES.

1883-11-00

Williamsport, Pa., November, 1883.

DEAR SIR:

Every consumer of light is interested in securing the best possible light at the least possible cost. Assuming that you admit the correctness of this statement, I beg leave to call your attention to the organization known as the EDISON ELECTRIC ILLUMINATING COMPANY OF WILLIAMSPORT.

This Company has secured a charter, the rights and privileges to supply to the citizens of Williamsport electricity for the purposes of light, heat and power. They have caused a canvass of the city to be made, and have ascertained the best paying district to supply with light. They have secured an estimate of the total cost to erect, complete, an electric light plant of the capacity of 3,200 lights, with sufficient conductors or mains to carry 4,000 lights. They have obtained a license contract of the Edison Electric Light Company of New York, for the sole and exclusive use of the patents of Thomas A. Edison, for the city of Williamsport. The original capital of this Company was ten thousand dollars ($10,000); this has now been increased to one hundred thousand dollars ($100,000). The license contract with the Edison Light Company of New York requires the payment by the Williamsport Company, 1st, of a sum in cash equal to five (5) per centum of its capital stock; 2d, certificates of stock, fully paid and unassessable, equal to thirty (30) per centum of its capital; 3d, an annual royalty of $2.00 per horse power actually used in generating electric currents for the supply of light, heat or power. The cost to erect and complete the entire plant, ready to connect consumers, is fifty-three thousand dollars ($53,000); the cost of the central station lot is two thousand dollars ($2,000).

RECAPITULATION.

Five per centum on $100,000, payable in cash to the Light Company,	$5,000
Thirty per centum, payable in stock,	30,000
Erection of plant, including building,	53,000
Central station lot,	2,000
Total,	$90,000
Surplus of stock in treasury for running expenses until plant is on a paying basis, and for future increase of plant,	10,000
Total and capital,	$100,000
Ten thousand dollars ($10,000) of this amount now taken by present stockholders,	$10.000
Fully paid stock to the Light Company,	30,000
Surplus,	10,000
Total,	$50,000

Leaving a balance of fifty thousand dollars ($50,000) necessary to be taken to install this plant, of the capacity above mentioned.

The object of this circular and the foregoing statement is to place fairly before the public of Williamsport this proposition, namely: That it is proposed that this Company shall be absolutely a consumers' Company, provided the consumers desire to avail themselves of the opportunity offered; and if not, that they shall reject the first privilege of subscribing to the capital stock at par, intelligently; and for this reason I ask the careful consideration of the following estimated expenses and profits of the enterprise:

Steam power, when generated in any considerable quantities, say not less than 100 horse power, costs something less than one cent per hour per horse power. Under the Edison Incandescent system, not less than 100 candles power of light is generated for each horse power of steam delivered to engines; 100 candles of light subdivided into ten candle lamps, and sold to the consumer at the rate of one cent per hour for each lamp, equals exactly the cost of coal gas at $2.00 per one thousand feet. This shows a net profit to the Light Company of nine cents upon every one cent of out-put of electric current. The above does not include repairs or depreciation on plant or interest on investment, but it does include engineers, firemen, fuel, oil and waste, &c. Let us assume that repairs and depreciation will cost one cent per hour per horse power, (*which it will not,*) and we still have eight cents net profit on a cash commercial commodity costing *one cent. Let us put it in another way:* 800 ten-candle lamps, burning at an average of three hours per day, (a low average,) and selling the light at the rate of $2.00 per one thousand feet of gas, will more than pay the entire running expenses of the 3,200 light plant, running at full capacity for the same average hours per day, and give a surplus of over five per centum upon the actual cost of the plant for a depreciating fund. Therefore, if the entire capacity of the plant of 3,200 lights can be operated at a cost to the Company, including depreciation, for the receipts of 800 lights when selling the light at the rate of $2.00 per thousand feet of gas, the gross receipts from the remaining 2,400 lights will constitute the earnings upon the investment. Now, if the stock is all held by actual consumers, they will not only have a light superior to anything yet introduced, but two-thirds of the gross payments for the light actually consumed will be paid in dividends upon the investment, pro rata, to each individual holding capital stock. This would make the actual cost to the consumer of light, if a stockholder, equivalent to gas at one-third of two dollars, or 66⅔ cents per one thousand feet. These facts may be startling to many large consumers of light, but they are nevertheless true. There are no secrets in the purposes of the Williamsport Illuminating Company, and nothing which they wish to withhold from the public; and as all consumers are invited to subscribe to the capital of this Company, all are entitled to know the estimated cost and the probable earnings of the enterprise. It is unnecessary, in this circular, to comment upon the superiority of the Edison Incandescent Light as compared to any other illuminant, for the reason that the people of Williamsport have had an opportunity to witness the light in practical use since March last, in the stores of D. S. Andrus & Co., Little's jewelry store, Lloyd & Co., furnishing goods, the Ulman Brothers' clothing house, and at the office of the State Agent, and are fully conversant with its safety, purity, steadiness and brilliancy, and the absence of heat, smoke, noxious gases or other objectionable features.

The Company as now organized consists of P. B. Shaw, State Manager of the Edison Electric Light

Company, President; John B. Coryell, Vice-President; J. J. Crocker, Treasurer; J. C. Hill, Secretary. The Directors are: H. C. McCormick, W. L. Parker, J. A. Beeber, B. H. Detwiler, John B. Coryell, William Gibson, and P. B. Shaw. As soon as all the stock is subscribed, a meeting of the stockholders will be called, and the election of a full Board of Directors will then take place.

The above is as full a statement of what has been and is proposed to be done in the matter of installing an Edison Incandescent Electric Light Station at Williamsport as is possible in a circular of this kind, and it remains now with the consumers to say whether they will give the enterprise their support, thereby securing for themselves a better, safer and cheaper light than it is possible to obtain under any other system, and share in the earnings of a commodity of which they must of necessity become patrons; or whether they will continue to pay tribute to those who have no possible interest in common with them, and whose only object is to obtain the highest possible price for the poorest possible light.

Consumers wishing to subscribe to the capital of the Williamsport Company can do so by making application to any one of the present stockholders.

Very truly yours,

P. B. Shaw

1883-12-05

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
40 r	Ca	h	22 Paid	304

Received at **852 BROADWAY.** Dec 5 1888.

Dated Williamsport Pa 5

To Thomas A Edison

Meeting of Directors Williamsport Co tonight Your Contract with Draft will go forward this week I go to Cincinnati today finish the work

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Stran

1883-12-05

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
581	Mt	Dy	14 Pd	

Received at **852 BROADWAY.** 12/5 1888.

Dated Williamsport Pa 5

To Thos A Edison

65 – 5 Ave

Assessment Paid for twenty five per Cent lot purchased contracts executed tomorrow everything lovely

Thos C Sewiler

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-12-06

HENRY C. McCORMICK.

Williamsport, Pa., Dec. 6. 1883.

Thos. A. Edison Esq

Dear Sir. — The resolution giving license by the City for the erection poles &c through the streets and alleys of Williamsport failed to pass the Select branch of Councils on the ground that it was thought the license should be given by Ordinance instead of by resolution — a mere formality as you will observe. In order that there might be no delay I called a meeting of our Board last night, and, after considering the good temper of Councils and the strong probability of getting what we want, the Board passed a resolution instructing the proper officers to sign the Contract with you upon finding that we should take a good title to the

HENRY C. McCORMICK.

Williamsport, Pa.,

lot for our Central Station, They also levied an assessment of 25 % to be paid within 5 ds. after notice.

We understand that you make the Exhibits "A." and "B" (the map and estimate) a part of your Contract with us, and that you agree to run the plant 30 ds. without cost to us, we furnishing you the Carbons for the light. Do we understand you correctly? If so the Contract will be signed without change, upon finding the title to the lot of land all right, which is now being examined, and which I doubt not will be found all right. An early answer will oblige

Yours truly

Henry C. McCormick

Th. Edison Electric Lig Co

Menlo Park N.J.

1883-12-10

HENRY C. McCORMICK.

Williamsport, Pa. Dec. 10/83

Thos. A. Edison Esq

My dear Sir — An annoying difficulty has arisen which will prevent the purchase of the lot at the Corner of Mark and Third Sts. There is an irremediable flaw in the title, and we are now negotiating for a lot just East of that, 60X100 ft. at the Corner of two alleys — a lot I think that you would do when you come here. We must ask your patient indulgence, and we promise to cause no more delay than is absolutely essential.

Yours truly

Henry C. McCormick
Pt & C

Form No. 1.

1883-12-13

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
334			28 Pd	144

Received at **852 BROADWAY.**

Dec 13 1888.

Dated Williamsport Pa 14

To Thos A Edison 65 5th ave

Will be at your office at eleven o'clock tonight with Williamsport Contract if you are not there when can I see you answer tonight Broad St Station Phila

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Thos C Middleville

1883-12-14

HENRY C. McCORMICK.

Williamsport, Pa., Dec. 14, 1883

Thos. A. Edison Esq.

Dear Sir — I enclose you Duplicate Contract duly executed by Edison Elec. Illg. Co. of Williamsport — we obtaining the one signed by you —

The location of the Central Sta. will be on square portion East which will be shown upon by Mr. Detinbo on the Map. The size of the lot will be either 60 X 100 or 64 X 100 as we prefer — We think the site even more central than the old one, and better in every way, besides being cheaper.

The 25% cash payment on contract will be forwarded as soon as we can collect it. Please excuse delay as it has been unavoidable. Yours Truly

H. C. McCormick Pr.

1883-12-14

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
133	Co Am	[illegible]		1120

Received at 852 BROADWAY.

Dated Williamsport Pa Dec 1X 1888.

To Thos. A. Edison

65 Fifth Ave

Have Executed Contract and forwarded same to you

Henry J. McCormick

Prest.

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1223-12-17

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., Dec 17 1883

Thos A Edison

Dear Sir

At your request I send you the names of the Wmsport Stockholders

Name	No. of Shares	amount	
P. B. Shaw	Fourteen	1400	×
H C McCormick	Five	500	×
J Cocker	Thirteen	1300	
Robt Shaw	Five	500	×
A Updegraff	Five	500	✓
J A Buck	Five	500	×
B H Detwiler	Seven	700	×
W L Parker	Five	500	×
J C Hill	Seven	700	×
Wm Gibson	Four	400	×
Jas Gibson	Five	500	70
John Blanyell	Three	300	×
Theo C Clark	Nineteen	1900	×
John R T Ryan	Three	300	×
Total	One Hundred	$10,000 00	

1883-12-18

Edison Electric Light.

Central Station System for Pennsylvania.

OFFICE OF STATE MANAGER.

P. B. Shaw,
State Manager.

WILLIAMSPORT, PA., ... 188

For Increased Stock

P. B. Shaw	Fifty	$5,000	X
B. H. Deturk	Five	500	X
J. C. Hill	Thirty five	3,500	X
Wm Gibson	Six	600	X
Thos. C. Dertrick	Ninety five	9,500	X
Jas G Gibson	Two	200	70
C Lynn Kenner	Ten	1,000	X
S. Herr	Five	500	Credit 1000
J S Mapwell	Five	500	X
J & H Blair	Five	500	X
Augustus Laedlein	Five	500	1000 credit Five
R. A Jaggard	Six	600	X
J. R. Finkbinder	Two	200	X
Dollie "	Three	300	X
Mary "	Two	200	X
J C Sampson	Two	200	X
W. G. Elliott	Fifty	5000	X 1800
R B Watson	Fifteen	1500	X
Dubbs & Connell	Ten	1000	2000 credit
J B Dubbs	Five	500	X
Jos H B Reem	Five	500	3000 credit

1883-12-18

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

P. B. SHAW,
STATE MANAGER.

Continued

WILLIAMSPORT, PA., ... 188

A D Hemaman	Ten	1,000	X
J J Cooper	Thirty	3,000	D
E A Rowley	Ten	1000	X
John M Dean	Ten	200	X 10000 to 50000 Credit (50-5)
Francis A Nugent	Ten	300	
Alex Dean	Ten	1000	X
H C M Cormick	Twenty Five	2500	X
M S Bailey	Five	500	20000 to 35000 Credit (50-0)
C Shaffer	Two	200	10000 to 20000 (50-0)
Wm H Taylor	Five	500	X
Saml Wilson	Five	500	X
Frank J Richards	Five	500	3000 to 5000 (50-0)
Thos Lyon Mrd.	Twenty Five	2500	X
Wm. Dilleck	Two	200	X
Wm R Hull	Five	500	X
J Taylor Brown	Five	500	X
Felix Bostley	Ten	1000	X
Geo D Mutt	Ten	1000	X
Louis Ann Polyce	Five	500	X
Ulman Bros	Five	500	5000 to 10000 (50-0)
W E Reilly	Ten	200	X
Jas Lunch	Two	200	2000 to 3000 Wellsville
S C Page	One	100	X
		16600	18600 31600 50000

1883-12-17

EDISON ELECTRIC LIGHT.

CENTRAL STATION SYSTEM FOR PENNSYLVANIA.

OFFICE OF STATE MANAGER.

R. B. SHAW,
STATE MANAGER.

WILLIAMSPORT, PA., 188

This is the way the stock list stands at present, there will be some changes and a few have sold some that are in their names, Hill & Crocker are the only ones that I know that have done so. So this stock may be represented twice, H. C McCormick and myself are pleased to place all the stock now taken on that partes go back on and put it to respectable parties.

Very truly Yours
Thos Edison

1883-12-26

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
490	Mg	Dy	15 Cd	

Received at 852 BROADWAY.

Dec 26 1883.

Dated Williamsport Pa 26

To Thomas A Edison

65 5 ave

Money not all paid in yet will send treasurers check for part tomorrow or friday

H C McCormick

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Pres

1883-12-26

Form H. H.-1000-12-3-83.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,
NEW YORK.

W. S. ANDREWS,
CHIEF ELECTRICAL ENGINEER,

Dec 26th 1883

Address reply to.....

Thos. A Edison Const Dep't
New York

Dear Sirs,

I send you herewith enclosed a list of Electrical material that will be wanted for Williamsport Central Station —

I have not yet had time to make out list of what wire I shall require, but will do so in a day or so —

Very truly Yours
W. S. Andrews

Enclosure

[ENCLOSURE]

1883-12-26

Form H. H.-1000-12-3-'83.

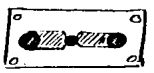
THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,
NEW YORK.

W. S. ANDREWS,
CHIEF ELECTRICAL ENGINEER,

..... 188

Address reply to.....

List of Electrical Material req^d for Williamsport Co. Station

18 Feeder Switches with safety catch attachments
2 Andrews' Switches
1 Bank of 300 Test sockets and lamps, with plug switches attached to lamp board —
12 Pressure Indicators
1 "A" Ampere Meter and 1 "B" do
4 11 Dynamo Regulators
2 5 do do
1 House changing Switch
1/2 doz. Small plug switches on boards 
4 plug switches No 990 with ⅞ in plugs
8 Key sockets with 3/8" threads
8 do do " 1/8 do —
1 Three light Electrolier for office
1 24" Swinging Bracket for office
1 24" do do for meter Room
3 Short Stiff Brackets for Engine Room —
1 Lightning arrester for overhead system with necessary plug switches

1883. Electric Light - Thomas A. Edison Construction Department - Stations - Wisconsin - Appleton (D-83-063)

The folder contains correspondence and other documents relating to the construction of an extension to the Appleton plant and the expansion of the original central station district. Among the correspondents are George H. Bliss, general superintendent of the Western Edison Light Company; Aug. Ledyard Smith, president of the Appleton Edison Electric Light Company; and Charles H. Cooke, who conducted the canvass to enlarge the original hydro-powered system, which had been installed in 1882.

All the documents have been filmed.

1883-07-27

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Appleton Wis
NEW YORK July 27th 1883

Samb. Insull Esqr
Dear Sir

I sent you by American Exp. maps and canvass of Appleton The lot selected for Central Station is indicated on map by Red Star. Can be bought for $4250 Tos with 35 Horse Power and an annual charge of $240 Tos for each 35 HP used. in addition

The local Co here will not hear to proposition of running plant by steam. The water power is perfectly reliable in this location at all times

At low water there is 2800 HP on the Dam.

The streets are not paved Gas is sold now at $2.50 per mon

Taxes are 8 per cent on 1/3 valuation

Hard brick $8 Tos pr M delivered Hard Coal $7 50/100 per Ton

Ohio Soft Coal from $2 50/11 to $3 50/11 per Ton.

The fall of [illegible] within City limits is 55 ft

Waverly House [illegible] 70 ft above Appleton Paper Mill

All business is located on College Ave.

There [illegible] installed one 250 light Plant at Appleton Mill and one 250 light Plant at Appleton Furnace Co Works in from two to three weeks the Appleton Paper Mill Co Plant will be running at full No of lights

Both the above mentioned Plants are owned & run by the Local [illegible] Co here

They are now furnishing light at 50 Cents per lamp a month & have several applications for the light 90 per cent of business houses will take it as soon

1883-07-27

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, 188

as it can be furnished them.
Mr Bliss is now here & is going to Neenah with me to-day from what I learn Neenah will not take over three days.
I wrote you some eight days ago for funds since then have heard nothing from you tried to reach you by wire but could not
Will draw on you at one days sight for $100.00 to-day hope you will excuse liberty I have taken by drawing
Shall remain here during Neenah canvass
Please direct your letters Care C. H. Haskins 424 Broadway Milwaukee Wis
The mills on Appleton Maps are located by actual survey you will greatly oblige me by sending in Mr Haskins care 10 yards Whatman's Drawing paper as I find it hard to get it here & price is very high.

Yours respectfully

C H Hooker

Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

New York, July 27 1883

Appleton Wis.

Streets unpaved, Reliable and abundant water power. 28000 H P on dam at low water.
Gas $2.50 per M.
Taxes 3 % on 1/3 Valuation.
Hard brick $7.00 per M. delivered.
Hard Coal, $7.50 per ton.
Ohio Soft Coal from $2.50 to 3.50 per ton.
Fall of River in City Limits = 55 ft.
Lot for Central Station can be bought for $230 P/mo, with 35 H.P. and an annual charge of $240.00 for each 30 H.P. used in addition.
Local Co. will not hear to use of Steam. 391 Edison Lights now in use there.

For additional data see Cooke's letter dated July 27/83

1883-08-01

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 1st. 188

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Replying to your favor of the 30th., will say: that they expect to charge gas rates for the Edison light, at Appleton, which is $2.50 to large consumers and more to small ones.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

~~So Carlton~~

ok

1883-08-18

Mr Appleton

There is no building of any kind whatever on the proposed ~~xight~~ site. There is some doubt as to their getting it, as it is now in litigation, and I think it will be settled in about thirty days. On the bridge, on the north side, 500 feet south west of the present station, they can get power, but it will be more expensive than the proposed station. This lot is 25 x50. There is no wheel or shafting in place. They propose to move the two K dynamos to the central station. From what they say, they want an estimate for erecting an ~~xxxxxxx~~ plant complete.

C H Cooke

18th Aug 83

1883-08-28

Subject: Appleton Station.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
O. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 28th Aug. 1883.

Mr. T. A. Edison
65 Fifth Avenue.

Dear Sir:

4

Sep 4 1883

FILE No.

I inclose a letter from Mr. A. L. Smith, Pres. Appleton Co., in relation to the inaccuracies in the blue print for central station, Appleton.

Please return same after perusal.

Yours truly
Geo. H. Bliss
Gen. Supt.
Asst. Supt.

[ENCLOSURE]

HON. LEDYARD SMITH,
Real Estate Agent:
Fox and Wisconsin,
Green Bay & Mississippi Canal Co.

1883-08-27

APPLETON WIS. AUGUST 27TH, 1883.

GEO. H. BLISS ESQ. SUPERINTENDENT,

DEAR SIR,

YOURS WITH THE PLOT OF APPLETON IS RECEIVED AND I HAVE NEARLY READY ALL THE STATISTICAL INFORMATION YOU REQUEST.

THE PLOT OR MAP OF THE CITY IS SO MUCH IN ERROR THAT I DO NOT THINK IT IS SAFE TO HAVE ANY ONE ATTEMPT TO MAKE AN ESTIMATE OF COST OF WIRING FROM IT - NOT ONE OF THE CORRECTIONS THAT I SUGGESTED HAVE BEEN MADE AND MANY OF THE RESIDENCES ARE NOT MARKED, SEVERAL OF THE OCCUPANTS OF WHICH HAVE AGREED TO TAKE THE LIGHT - THE LOCATIONS OF THE PRESENT MACHINES ARE NOT MARKED AND THE NUMBER OF LIGHTS USED ARE NOT CORRECT.

I HAVE AN OFFER OF 200 H. P. AND ONE LOT FOR $ 6000. WHICH I SHALL ACCEPT IF I CAN COMPROMISE THE LITIGATION PENDING BETWEEN THE CLAIMANTS- IF WE CAN NOT GET THIS LOCATION WE WILL HAVE TO CROSS THE RIVER AND THAT WILL BE A MORE EXPENSIVE POWER AND MORE EXPENSIVE WIRING.

YOURS TRULY,

A. L. Smith

Unfortunately - journals Issued here - I have never shown at work the No of Electric Lights are that in use - Numbers burning There are several people who have agreed to take the light - whose houses are not shown as they are not included.

1883-08-31 Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

New York, Aug 31st 1883

Thos A Edison Esqr.

Dear Sir

In regard to plan of Appleton this, wish to say.
That number of Edison ~~lamp~~ lights installed in Residences are not shown on blue prints as on original plan forwarded you from Appleton by me. That that the President house of Lawrence University is not shown on Plan (should be) It is located on south east portion of University Grounds
That there is one house West of district shown by my plan now lit with Edison Light having I think 10 lights installed
There are several houses just outside of district whose owners would like to take light.
The Present Stations are Located as follows No. 1 in a small building shown on plan between the Appleton Paper Mill & The Kimberly & Clarke Paper Mill. No 2 in small building about 50 ft North of ~~and~~

1883-08-31 Form H.

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

New York, 188

Appleton Furnace Co.
I could not get estimate of Amount of light used in University so only located building on map several buildings Mr Smith spoke of I think he will find on map as I put them on map & in note book before sending same in.
There are one or two mills not wired now to be wired at once I think power to be taken from Plant No 1

Yours Respectfully
C. L. Cooke

Subject: Size of Appleton Conductors.

1883-09-08

FORM 30.

ANSON STAGER, President.
JOHN M. CLARK, Vice-Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue,

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
[illegible]
[illegible] DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 8th Sept. 1883.

Mr. Thos A. Edison
65 Fifth Avenue
Dear Sir:

Herewith I hand you statement from the Appleton Company in relation to the size of conductors used in connection with the various machines.

The Appleton blue print is being held for corrections as you requested.

We expected the Neenah print this week, but it is not yet ready.

Our agent reports that it abounds in errors as to the number of lamps which will be burned at different points.

Sincerely yours,
Geo. H. Bliss
Gen Supt.
Hurlbut

1883-09-18

SUBJECT: INTRODUCING MR A. L. SMITH.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

27

CHICAGO, September 18th, 188

FILE NO.

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

This will introduce Mr A. L. Smith, President of the Edison Company of Appleton, Wisconsin.

Mr Smith has the information necessary for the correction of the Appleton plans made by Mr Cooke.

Please afford him an opportunity of looking thoroughly into the operation of an Edison central station.

Sincerely yours,
Geo. H. Bliss.
Gen Supt.

27

FILE NO.

Form No. 1.

1883-10-11

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
456			11 Collect and

Received at 852 BROADWAY.

Dated Appleton Wis 11 Oct 11 1888.

To Thos A Edison

65 5th Ave

Just returned will get at your works soon Have written

A L Smith

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-10-11

AUG. LEDYARD SMITH,
Real Estate Agent.
Sec'y and Treas.
Green Bay & Mississippi Canal Co.

Appleton, Wis., Oct 11 1883

Thos A Edison Esq

My dear Sir -

On my return I find your 27th ult. I will have the plans you ask connected on larger as soon as I can get any one to work at it - We are now moving three buildings the main front too this - the man who worked with Mr Cooke is engaged on that - We have not positively heard any site yet - nor can I give you such figures as you want at present - I have made a prop action for a lot 200 ft. S. lot 55 by 700 ft that is to the middle of the channel of the river - I suppose it may be accepted - but I shall not know for sure - I

AUG. LEDYARD SMITH,
Real Estate Agent.
Sec'y and Treas.
Green Bay & Mississippi Canal Co.

1883-10-11

Appleton, Wis., 188

have not succeeded in getting figures or other data at present. It is not possible to hurry in making a function of Mr. Dowe to have all the information we want. You may rest assured that I will push this thing to the best of my ability. The trouble I met to get his no bearing on it. The bottom is rock & level. There is an old flume on it. was the 200 - to us at least. As to the location of wheel - shaft &c - this may be as your Chief. but I will send such information as to the location as I can place at my charge before you. However it seems to me that the only way you can economically arrange for this new station & purpose plans

AUG. LEDYARD SMITH,
Real Estate Agent,
Sec'y and Treas.
Green Bay & Mississippi Canal Co.

1883-10-11

Appleton, Wis., ... 188

to advantage. as for you to come down & examine the state of the town for yourself

Yours very truly

Aug Ledyard Smith

Mr Campbell

Please file this office personal

Tate

RECEIVED
OCT 18 1888
ANSWERED
.....188...
FILE No.....

Applications
Offices

1883-10-24

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
507	Bu	Ly	10 Co ll

Received at **852 BROADWAY.**

Oct 24 1883.

Dated Appleton Wis 24

To Thos A Edison

65 Fifth Ave

I hope send papers first of next week

A L Smith

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

[COPY FOLLOWS]

1883-10-29

AUG. LEDYARD SMITH.
Real Estate Agent.
Sec'y and Treas.
Green Bay & Mississippi Canal Co.

Appleton, Wis., Oct 29 1883

Thos A. Edison Esq

Dear Sir -

I enclose my express to say - the map of Appleton made in many ways [illegible] would [illegible] - You can rely upon [illegible] on the distances from the river & from the Dynamos - I will be able to answer any of your questions as to the lots on which we intend to [illegible] because I cannot as yet get [illegible] any satisfactory proposition as to the form or exact size of the lots - I hope to be able to report this [illegible] I can get a lot of 200 ft. on the "Flats"

[COPY FOLLOWS]

AUG. LEDYARD SMITH,
Real Estate Agent.
Sec'y and Treas.
Green Bay & Mississippi Canal Co.

1883-10-29

Appleton, Wis., 188

Water Power for about $5000 — and on the "2 Lower Water Power" for about the same figure — but the location we should have is on the N side of the river — just below the 2d Street — I should bought about 225 ft. for $6000 and on to 55 ft wide extending to the middle of the river —

Is there any use our asking your terms — should be of much less duration lately — the last two & we sold the last three shop sites are many of them operations — business is certainly 50% more than on the 1st of May — Yours very truly

A. L. Smith

[COPY]

1883-10-29

Translation

I send you by express today the map of Appleton made in many ways being (?) much more correct

You can rely now I think on the distances from the river and from the dynamos. – I am unable to answer any of your questions as to the lot on which we intend to create because I cannot as yet get from the owners any satisfactory proposition as to the price or exact size of lots. I hope to be able to report this week however. I can get a lot 200 ft in the "Heath(S) Water Power" for about $5000 and on the "2nd Water Power" for about the same figure. but the location we should have is on the N side of the river – just below the 2nd etc – and I hope to get about 225 ft. for *6000 and a lot 55 feet wide extending to the middle of the river

Is there any reason why our Lamps should be of much less duration lately. The last two (Windows & S) the last three shipments are many of them defective. our breakage is certainly 50% more than in the spring

Yours very truly

A. L. Smith

1883. Electric Light - Western Edison Light Company (D-83-064)

This folder contains correspondence, reports, and other documents relating to the business of the Western Edison Light Company of Chicago, Illinois. This company oversaw the installation of electric lighting plants in Chicago and the Midwest. Much of the correspondence is by George H. Bliss, general superintendent of the company. Related material can be found in D-83-063 (Electric Light - Thomas A. Edison Construction Department - Stations - Wisconsin - Appleton).

All the documents have been filmed.

9 1883-02-19

SECRETARY'S ANNUAL REPORT,

WESTERN EDISON LIGHT COMPANY.

SECRETARY'S OFFICE, 51 & 53 WABASH AVENUE,
CHICAGO, February 19, 1883.

TO THE STOCKHOLDERS OF THE WESTERN EDISON LIGHT COMPANY,

GENTLEMEN:

I am instructed by the Board of Directors to submit to you the following report of the operations of the Company to date.

The Company was organized May 13th, 1882, but did not get fairly into operation until August 1st of that year, so that this report embraces practically a period of about five months.

The following is a list of plants installed, and now in successful operation:

Anamosa Penitentiary, Anamosa, Iowa	228	lights.
Davenport Gazette Company, Davenport, Iowa	104	"
Academy of Music, Chicago	150	"
H. J. Rogers, Appleton, Wis	250	"
Calumet Club House, Chicago	75	"
O. N. Taylor, Ludington, Mich	15	"
J. R. Jones, Chicago, (Wiring Residence)		
C. D. Seeberger, Chicago, (Wiring Residence)		
N. K. Fairbank, Chicago, (Wiring Residence)		
C. W. & E. Pardridge & Co., Chicago	310	"
J. W. Doane, Chicago	291	"
Norton Bros. and Company, Chicago	16	"
H. D. Smith, Appleton, Wis	250	"
Best Brewing Company, Milwaukee, Wis., (about)	700	"
Butters, Peters and Company, Ludington, Mich	60	"
Michael Cudahy, Chicago, (Wiring Residence)		

District No. 1, Company's Headquarters	250	lights.
North-Western Mfg. and Car Co., Stillwater, Minn	250	"
B. P. Moulton, Chicago, (Wiring Residence)		
Chicago & Minonk Coal & Coke Co., Minonk, Ill	100	"
Batavia Paper Mfg. Company, Batavia, Ill	38	"
Novelty Iron Works, Dubuque, Iowa	60	"
Jas. B. Kern, Milwaukee, Wis	80	"
N. K. Fairbank & Co., St. Louis, Mo	178	"

The following work is now under contract and in process of installation:

R. H. & C. M. Avery, Peoria, Ill	142	lights.
Metcalf Bros. and Company, Detroit, Mich	175	"
Daily News Company, Chicago	176	"
J. H. Haverly, for Haverly's Theatre, Chicago	637	"
Star & Crescent Flouring Mill	60	"

The residences of Messrs. Jones, Sears, O. R. and Edson Keith, Dent and Marshall Field are being, or are to be, supplied with light from the plant installed on the premises of Mr. Doane, the total number of lights in the six residences being about 700.

In addition to the above we have several propositions now pending from which we have reasons to hope for positive orders within a few weeks.

Notwithstanding the heavy expense incident to the starting of a new business, the Company since the date of its organization has not only been able to meet its expenses, but has, in addition, earned a fair profit on the money actually invested.

The plant designated in the foregoing as "District No. 1," is that in operation at the General Offices of the Company, Nos. 51 and 53 Wabash Avenue, Chicago.

We found it necessary to establish this plant to fully exhibit the light, so that it might be investigated by those wishing to order plants or to organize sub-companies.

We have from this plant run wires into adjoining buildings and are now selling light to eight different consumers.

The revenue which we thus receive will, we hope, in time, as the plant is extended, meet the whole expense of its operation.

The Best Brewing Company's plant, Milwaukee, was put in by this Company on a lease for three years, at a monthly rental of two hundred dollars, with the option of purchase by the Brewing Company at any time during the continuance of the lease, at a price which will yield a fair profit to this Company.

We meet with frequent opportunities to install plants upon some such terms as these, and this class of business would yield a large and certain profit to the Company.

The objection to it is, that it ties up a large amount of our capital.

Should we decide to increase our business in this direction, it will become necessary for us to make further calls upon our stockholders.

Among our early customers was the Davenport Gazette Company, of Davenport, Iowa, who purchased a dynamo of small capacity, for the purpose of selling light to several parties in the immediate vicinity of the Gazette Building.

When the light had been installed, the Gazette Company discovered that under its charter it could not manufacture and sell light.

An association of the same parties was therefore formed, under the name of the Davenport Electric Light Company, to which was transferred all property rights in the plant.

This company has recently closed a contract with us, whereby we replace the small machine originally purchased with one of double the capacity.

On getting to work under our contract with the parent Company, some of the provisions of that contract were deemed to be unequitable and the officers of this Company have been in negotiation with the officers of the parent Company with the view of getting modifications in it.

The parent Company has met us in a spirit of the utmost fairness and liberality, and I am now happy to report that the contract has been so amended as to more fully meet with our wishes.

Among the benefits accorded us in the amended contract, is the allowance to us by the parent Company of a larger percentage of the bonus to be received from all sub-companies organized, and also from the Edison Company for Isolated Lighting, the exclusive agency on the basis of an equal division of net profits, to occupy the non-gas territory within our present territory.

As a result of these negotiations, this Company, without any further payment in cash or stock, becomes the sole representative of the Edison Incandescent Electric Light System, within the three states of Illinois, Iowa and Wisconsin, on fair terms.

These concessions in our original contract and the additional franchise for the non-gas territory, in the opinion of the Board largely enhance the value of our stock, and basing our estimate upon results already accomplished in the first few months of our organization, we may safely predict, that the next six months will produce results gratifying to the holders of our stock.

No sub-companies have yet been organized, as the Officers of our Company have preferred to await the amendment of our contract before pushing work in that field, but that having now been accomplished, there is nothing to prevent our going forward in that direction, and at several points the preliminary negotiations have already been made, and we have good reason for the belief that we shall soon be able to report the organization of several sub-companies on a basis exceedingly favorable to this Company.

D. H. LOUDERBACK,
SECRETARY.

1883-04-02

Subject: DIRECTORS' MEETING.

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, 2nd April, 188

Dear Sir:

The regular quarterly meeting of the Board of Directors of the Western Edison Light Company is hereby called to be held at the office of the company, No 53 Wabash Avenue, on Tuesday, April 3d, at eleven o'clock A. M. Please be present.

Respectfully,

D. H. Louderback

Secretary.

Hurlbut

To

Mr. Thomas A. Edison
65 Fifth Avenue
New York

Subject: McCarty

1883.04-04

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, April 4 1883

T. A. Edison Esq
New York

We are about bringing our arrangement with Mr. R. A. McCarty to a termination. This Company has determined to reduce the number of its travelling agents for the Summer. In making the changes the result accomplished and length of service are taken into consideration. Mr. McCarty has worked in the best towns in this State - At Peoria we sold one "E. A." Plant - He did not take the order but is entitled to some of the credit. He made one conditional sale of an "E A" Plant at Minonk, Ills. There is some doubt about this plant remaining. These are all the sales in which he assists. He did not succeed in forming any local Companies but the high terms we have asked interfered with his efforts in this direction. Mr. McCarty has attended to his business and presented the light intelligently. We have no fault to find with him as a gentleman & he has our best wishes for success elsewhere. I wanted you to understand the facts.

Yours

Geo. H. Bliss Genl Supt

21 1883-04-16

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, 16 Apl 1883

Geo. N. Bliss
Esq
Western Edison Co
Chicago

Dear Sir,

We received enclosed a week or so since. As the claim against the Edison light ~~on~~ can we change any one else with it

Yours Sincerely
Saml Insull
Private Secretary

1883-04-28

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
HM	Cs	R	10pd	553

Received at 791 BROADWAY. Apl 28 1882.

Dated Chicago 28

To Thomas a Edison 65 5 Ave

Dynamo is doing well see my letter of this date

Geo N Bliss

Gen supt

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Subject: NEW H DYNAMO.

1883-04-28

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, April 28th, 188

Mr Thomas A Edison,
65 5th Avenue, N Y

Dear Sir;

Your telegram of this date received.

The new H dynamo ran all right the first night Our Engineer, Mr Johnston, was there and superintended the starting of the machine.

He was not there the following night when it started nor the second night when it gave trouble.

The probability is that the dynamo was not properly oiled at the starting, which originated the trouble with these bearings.

Also that some sand or dirt got into the box with the oil;

Whether this was carelessness on the part of our men or malice is not certain.

After the phosphor-bronze got hot it could not be cooled off, and we were obliged to shut it down.

It was repaired in time for the following days service and ran two or three days when the trouble was repeated and the use of the machine lost for another performance.

Mr Johnston was out of the city, and to remedy this repeated difficulty the phosphor-bronze was taken out and babbit-metal run in for the bearing, since which time no trouble has been had at that end of the machine.

The commutator end of the armature runs warm continuously and we think this is owing to the friction of the thrust spring for which there is no cooling vent.

Mr Johnston is strongly in favor of the phosphor-bronze and thinks if the machine had been well cared for no trouble would have been experienced.

Judging from our experience and the character of men who will have to handle these dynamos I fear more trouble from the phosphor-bronze than the babbit bearings.

Our mechanics are first class men.

We hold them strictly responsible for what they do.

Heretofore we have never lost service of a dynamo for a minute on account of hot bearings and this experience

Subject: .....

1883-04-28

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188 .

has been particularly unfortunate.

There does not seem to be any such thing as cooling a phosphor bronze box after it is once hot.

Please notice particularly we have not diminished the bearing surface on the H dynamo.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

Subject: "ELECTRIC DRAFTS."

1883-04-30

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

Answ

1354

CHICAGO, April 30th, 188

Mr Samuel Insull,
65 5th Avenue, N. Y.

Dear Sir:

Your favor of the 28th is at hand. Our Treasurer has consented to send herewith a check in payment for the new H dynamo which has been shipped to us for use in connection with the Chicago Railway Exhibition.

We are obliged for the concession of $150.00 and think it only right.

We are also under obligations to you for supplying us so promptly with the H dynamo.

In reference to the prompt manner in which collections are made by the Machine Works, we can only repeat what has heretofore been written Mr Rocap.

Our people feel very strongly in regard to the matter of time on these purchases.

They do not consider it business-like for payment to be requested and drafts be made before bills of lading are received or the goods come to hand.

We ought to get the same terms other people get on machinery, namely cash at thirty days or a discount if paid before.

I shall be greatly obliged if you will call Mr Edison's attention to this matter.

The officers and stock-holders of this company are all men of large business experience and, do not feel that our company is being treated with business courtesy.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

Subject: 1883-04-30 /2

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVE.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, Apl 30 1883

T. A. Edison Esq.
Dear Sir:

The blunder on the "H." Dynamo is unfortunate but I cant kick out three of our best men who have done well heretofore. They have been severely blamed. The phosphor bronze has been taken out and babbitt run in for the full bearing. There is no doubt that P. bronze makes a better bearing but if once hot there is no such thing as cooling it off. If any one can make a success of these bearings we can do it.

Sin. Yours
Geo. H. Bliss

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.
This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
C492	Ha	Dy	4 Collect	424

Received at 791 BROADWAY. May 2 1882.

Dated Chicago Ill

To Saml J Tilden
65 Fifth ave

Check mailed monday

Western Edison Light Co

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.
DIRECT WIRES.

D 1883
Ed. 57.

Subject: RAND.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEDERGER.
Z. G. SIMMONS.

CHICAGO, May 7th, 188

Mr Thomas A Edison,
65 5th Avenue,

Dear Sir:

Since the receipt of your note of the 14th ult respecting a photograph of Mr Rand's son I have made several attempts to see him without success?

I met him to-day however, and he will send the photograph to you direct in a day or two.

I hope you will like the young man's appearance and will feel like trying to make something out of him.

He evidently has good material in him.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

Mr. Rand

1883-05-10

Subject: PAYMENTS ON ORDERS.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
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SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK,
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, May 10th, 188

Mr Samuel Insull,
65 5th Avenue, N. Y.

Dear Sir:

Your explanation of the position occupied by the Edison Machine Works toward the Edison companies - as contained in your favor of the 7th inst - is very satisfactory.

While we have never refused to honor the drafts made on us by the Machine Works we have, in the majority of cases, felt that the urgency with which such drafts were made or requested was somewhat overdrawn.

As stated in my former letter, the practice is so widely at variance with the general experience of our business men it has been very difficult to reconcile them to the idea of having payments, as well as the light, made by electricity.

However, as Mr Edison expresses it, the business is a new one and immediately available funds are a necessity to the prompt filling of orders, and until such time as it becomes more firmly established as a paying enterprise we shall not seriously complain of the method of conducting it.

We trust however you will crowd us as lightly as possible in the matter of payments.

Yours truly,

Geo. H. Bliss

Gen Supt.

(Clerk)

1883-05-10

Subject: SMALL LAMPS FOR OPERA.

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
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NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, May 10th, 188

Mr Thomas A. Fdison,
65 5th Avenue N. Y.

Dear Sir:

An opera company which is to produce the opera "Iolanthe" here in about two weeks, is desirous of getting small lamps to be burned on the heads of the fairies, the current to be supplied by small atorage batteries on the back of each person.

I believe some similar contrivance was employed successfully during the production of this opera at the Bijou Theatre at Boston.

Will you kindly advise on receipt hereof for what price you could sell these accumulators and lamps and how soon after an order was given they could be shipped ?

About twenty would be needed.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

Kavin

1883-05-15

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEDERGER.
Z. G. SIMMONS.

CHICAGO, May 15 1883.

Mr. Thomas A. Edison

RECEIVED
MAY 23 1883
ANSWERED
May 28 1883
FILE NO.....

Dear Sir:

A meeting of the Directors of the Edison Light Company is hereby called to be held at the office of the Company - 53 Wabash Avenue Tuesday June 5th at Twelve o'clock noon.

The object of this meeting is to remove the by-laws of the Company so that the annual meeting will be held on the third Tuesday of January in each year instead of the first Tuesday of June.

Respectfully,
D. H. Louderback
Secy.

Subject: Village Plants. 1883-05-22

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

RECEIVED MAY 25 1883
ANSWERED May 31/1883
FILE No.

DIRECTORS:
THOMAS A. EDISON, ANSON STAGER, JNO. B. DRAKE, J. W. DOANE, SAMUEL MERRILL, NORMAN WILLIAMS, EDSON KEITH, JOHN M CLARK, JOHN CREGAR, ANTHONY F. SEEBERGER, Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, May 22d 1883

Mr. Thos A. Edison
65 Fifth Avenue
Dear Sir:

Your telegram relating to the installation of Central Station plants is at hand.

I shall probably see you in New York before we make any arrangements for starting any Village Plants.

Sincerely yours
Geo. H. Bliss
Gen. Sup't.

Subject: MAXIM LIGHT PLANTS.

FILE No. 1883-05-22

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
W. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

RECEIVED MAY 25 1883 ANSWERED

CHICAGO, May 22nd, 188

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

In reply to your favor of the 16th will say the Milwaukee Electric Light and Power Company, which controls the Weston Arc and Maxim Incandescent Lights is operating a fifteen light Maxim plant in connection with its central station;

At Janesville, Wis., the Mc Lain Woolen Mills are using a Maxim plant of fifty-seven lights;

The Janesville Cotton Mills use 150 Maxim lights, having one 100 and one 50 light Maxim dynamos.

In Chicago, Davidson and Sons, Marble Workers, are using a fifty light Maxim plant;

Bradner, Smith and Company, Paper Dealers, are running a 100 light Maxim plant.

They have had some lights in the Safety Deposit Vaults of the 1st National Bank in this city.

We have just closed a contract with the First National Bank people to supply their main floors and Deposit Vaults, which will throw out the Maxim lights.

The 1st National Bank building has been recently erected and is said to be one of the finest banking institutions in the United States.

Bradner, Smith and Co. are using some of the incandescent lights from their plant and are selling two or three of their neighbors a small number.

From what we can learn I doubt if they have ever run the full complement of lights from this dynamo.

The light does not seem to be very satisfactory.

The United States people are very active in this region.

Wherever we go either to sell a plant or organize a company they are on our heels immediately and offer all sorts of inducements to parties.

This is very detrimental to our work and is putting it back a good deal.

We may in time overcome the difficulty, but for the present it is very serious.

1883-05-22

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
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Z. G. SIMMONS.

CHICAGO, ... 188

The Davenport Gas Company has made a contract with the United States people and proposes introducing the Weston Arc and Maxim Incandescent lights immediately at that point.

The Maxim people are going to make a very good showing of the light at the Railway Exhibition here.

They have a thirty light chandelier and other fixtures in position.

The fixtures are apparently manufactured by Mitchell, Vance and Company and are very creditable.

The wiring which they are doing is very poor but still superior to any other work we have ever seen them do.

They talk of an exhibit of from 200 to 300 lamps.

Aside from the plants named herein we do not know of any other Maxim lights in operation in our territory, but some may have been overlooked by us.

It is a very serious element in the way of progress in our business unless they can be squelched by litigation, until they are crushed out by the superiority of our light, generators and appliances.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

1883-05-28

Subject: DAVENPORT COMPANY &c

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, 28th May, 188

RECEIVED
MAY 31 1883
ANSWERED
June 1 1883
FILE NO.

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Replying to your telegram of the 21st and letter of the 24th will say the Maxim people are very active in the West.

I have written a letter to Maj Eaton to-day explaining the situation at Davenport, the completion of the company there having been delayed for a time, but I think it will be concluded before many days.

They will want you to install their plant and a committee will probably go to New York to see you when ready for action.

It was my intention to visit New York this week, but may be delayed on account of this and other matters.

Will notify you when to expect me there.

A letter from Maj Eaton states that it is your intention to visit Chicago during the Railway Exhibition.

Gen Stager is away fishing, but he has been written to know when he may be expected and you will be advised?

The management of the Railway Exhibiton appear to favor the United States interests strongly.

A Mr Cherry, connected with the Post Company of Cincinnati is on the committee and is interested with the United States people at Cincinnati.

He has a good deal to say about electrical matters and we see his influence.

He seems to secure advantages for the U S people not possessed by us.

Unless this is changed we shall make a first class row about it.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

Subject:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

JUN 2 1883
ANSWERED

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, May 30th, 1883. 188

T. A. Edison Esq. JUN 11 H 188 3

FILE NO.

Dear Sir:

We started up the Railway Exposition dynamo yesterday and it worked to a charm with a partial load.

Our best fixtures are not here nor is the automatic regulator.

This is unfortunate as the United Staes people have the start of us.

Their Mitchell, Vance & Co. fixtures are up and are very handsome.

I wish you would hurry up Bergmann & Co.

We had no trouble with the journals of this dynamo.

We are using a heavy oil and find it works better than the quality used heretofore.

Although only a part of our lights are in operation it is evident that we will make the United States Company sick before this show is over.

They are making a great splurge and claim to be putting in over 400 arc lights.

As a matter of fact I do not think they will get in over 200.

They have already burned out two armatures in one of their 40 light arc dynamos.

They now have three incandescent dynamos running.

There are about 150 lamps on the two of them and the other is driving some small motors.

I hear your Railway if to be driven by their dynamo at the Exposition and if so it is a great pity for they are a miserably managed institution.

A Mr. Cherry of Post & CO. of Cincinnati is one of the managers of this Exposition .

He is President of one of the United Staestes local companies and is very active in their interest here.

He has been going round among the Exhibitors to get them to take United States lights.

After agreeing with us what incandescent lighting should be done by each the United States people have started in to do a great deal more but we will make them sick of that bargain.

Awards are to be given and the Edison exhibit has been entered for competion.

We want to insist on the proper tests being made and I wish you would advise what we shall have done to thoroughly defeat the United States people.

Subject: .....

1883-05-30

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

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Z. G. SIMMONS.

CHICAGO, ... 188

The Electrical exhibitors are all down on the United States people for the tricks which they have played and will unite with us in demanding anything which is right.

I understand that the President of the United States Co. is here as are several of the managers of the other companies.

The United States people evidently intend to make a great impression and are using every means to do it.

They have dynamos here by the car load.

I tell them the Edison Co. is a little too busy to indulge in that sort of luxury.

When will you be here?

General Stager is still off on his fishing tour and has not written when he will be here.

If you are not coming out soon I want to go to New York to see you about this Village plant business as everything indicates that we shall have two or three to put in very soon.

The expectation is that you will put in the first ones.

The stock for a fair sized plant has all been subscribed and the organization will be legally completed soon. !.--at Milwaukee)))

Our friend Haskins is one of the party and will probably be president.

He has made a large sum in telephones and comes into line with us at last.

The Milwaukee party is very strong financially and can extend to any size when perfect confidence is established.

Sincerely Yours'

Geo. H. Bliss

Gen'l Sup't.

Not only will we put in the 1st one but we can beat the pants of you Co or any other & do better work. The Beaman Arc and wiring for me personally

You better come out & see me

Yours

E

1883-05-31
42

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

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JOHN CRERAR.
ANTHONY F. SEEDERGER.
Z. G. SIMMONS.

CHICAGO, May 31st, 1883. 188

T. A. Edison Esq.

Dear Sir:

Our Railway Exposition Plant is operated from a Porter & Allen engine.

They furnish the power without expense to us and in view of the large expense attending the exhibit our people thought best to make the arrangement.

There is a large fountain in the center of the main building and we have placed 150 lights on it within the spray.

This has not been an easy job but I am glad to say that the attempt is a perfect success.

We started the fountain on the 29th but our insulation round the sockets of compound and paraffine was imperfect and a good many lamps were lost.

Yesterday we treated the wires and sockets to a coating of rubber cement and the lamps worked to a charm last night.

This fountain is the most striking and handsome thing in connection with the Exposition and we are much gratified.

We find by starting up the lamps gradually that little breakage need be apprehended from the spray which is continually dashing against the lamps.

The enemy thought we were in a fix but found out to the contrary.

J. A. Fay & Co. of Cincinnati have a large machinery exhibit and we are lighting it.

Arc lights are burning directly over us but do no injury to the service we render.

Now if Bergmann & Co. will give us two nice Electroliers I shall begin to think that we are in fair shape.

If power and steam can be obtained we shall probably put in a 60 light dynamo to show the different candle power Edison lamps.

Please show this letter to Maj. Eaton as it will save writing another and we are short of help in the office.

Sincerely Yours,

Geo. H. Bliss

Gen'l Sup't.

OK

35

1883-06-07

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, June 8th, 1883. 188

Thos. A. Edison Esq.

Dear Sir:

Your favor of the 4th was duly rec'd.

The Electric Railway at the Exposition has been used a little within the last two days and has carried two or three loads of passengers round the track.

Up to today it has not been opened to the public.

The track was poorly constructed - The trucks under the car seem to have been ill adapted to the curve round which the car must pass.

They complain that the steam from which the electromotive is ~~to be~~ supplied is not sufficient as the dynamo is driven from a Westinghouse engine.

I heard yesterday that power is to be taken from a corliss engine and a larger driving dynamo put in.

The commutator on the motor was badly cut up the day I rode on the electromotive but not enough to prevent operations.

The whole arrangement seemed crude to me compared to your machinery at Menlo Park.

I think however that the electrical part with proper management ought to have worked were it not for the mechanical defects.

The United States people are making the Exposition a National affair so far as they are concerned.

They are constantly adding some fresh feature.

Their President has been here and they have at least fifteen men on duty all the time.

As near as I can ascertain they have lost four armatures from one of their 40 light dynamos.

I understand they have lost one armature from another 40 light dynamo.

They have lost one armature from one of their incandescent dynamos.

They are up to all sort of tricks and to attempt to refute their many falsehoods is out of the question.

They are doing an immense amount of advertising and I will send all the papers to Maj. Eaton so their statements may be understood.

This company is doing all that is reasonable to make the Edison exhibit a success but with our lim-

get Copies [illegible]

Send Copy [illegible]

to Bliss [illegible]

With Western [illegible]

made [illegible] go to Chicago to

make complaint [illegible]

& award telegraphic order

Write Bliss that Mr Howell will

respond to telegraphic order but not

to send [illegible] without [illegible]

absolutely sure they are to make

the [illegible] will try get injunction

1883-06-07

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188

ited territory we cannot be expected to wage a national fight.

The Commission are in hot water about the awards and show no disposition to go into anything more than a surface investigation.

We do not intend this shall be the case in electric light matters.

I think you should send on Mr Howell at once with his apparatus so that we may know what tests ought to be demanded and be prepared with the apparatus.

The Weston people are running their lights very high and burn about 80 lights from what is called a 2oo lights dynamo.

I want to get this Exposition matter into as good shape as possible before going to New York but as soon as that is done shall go on.

Any accurate information which you can send about the lights on the Brooklyn bridge will be useful just now.

If you can tell me the name of one person killed or seriously injured by the United States arc light current I can prove the President of the U. S. CO. to be a liar in the public press.

Please give me the facts in such a case as soon as possible.

Please notify us when Mr. Howell will come and we will try to get the committe on award on electrical matters appointed and ready to act by the time he arrives.

The Exposition closes on the 24th so there is no time to lose.

Please have Bergmann hurry forward that large electrolier.

Sincerely Yours?

Geo. H. Bliss

Gen'l Sup't.

If you can send me any New York papers with comments detrimental to the lighting of the Brooklyn bridge please do so.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
5H4	pd	R	17 paid	878

Received at 791 BROADWAY.

852

Dated Chicago 17. June 17 1882.

To T A Edison 65 5 ave my Telegraph what tests you wish made tests are to be made at once when will Howell arrive

Geo H Bliss Genl supt

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
176	Hw	Dy	19 pd	1204

Received at 791 BROADWAY.

Dated Chicago Ills 13. June 13 1882.

To T. A. Edison 65 – 5 ave

Is there any objection to Prof Morton a son of the Judges would ~~go~~ F. Barker act if appointed

Geo H. Bliss Genl Supt

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

H1

Subject: .....

1883-06-13

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, June 13th, 1883. 188

T. A. Edison Esq.

Dear Sir:

I send you a copy of the Chicago Inter-Ocean of this date which contains the jurors names appointed by the commissioners of the Railway Ex.

On the strengbh of the informatiom in your telegrams we shall rest content with the committee as it stands.

If Mr. Howell arrives promptly I do not apprehend any trouble in getting the proper tests made which may be considered necessary.

Your favor of the IIth is at hand.

I hope you will hasten your trip to Chicago as there are many matters pending here which cannot be focussed until we get explicit information on the points involved.

n Please notify us as early as possible when to expect you.

Sincerely Yours,

Geo. H. Bliss

Gen. Sup't.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
413	Gdn	GJd	1320

Received at 791 BROADWAY

Dated Chicago Ills 20 June 21 1882 3

To Saml Insull 65 Fifth Ave

Edison left Via Pennsylvania limited yesterday afternoon for Newyork

Geo F Bliss

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-25

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

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NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, June 25th. 188

Thomas A. Edison Esq.

Dear Sir:-

Your favor of the 23rd. is at hand.

It is impossible for us to give you the exact truth in regard to the removal of the Maxim Lamps, every morning at the Railway Exposition.

Our men were not placed there as spies upon that Co., but they understood it to be a fact during the latter part of the Exposition, that the Maxim Lamps were changed daily. This conclusion was reached from their own casual observation, and from what others, who had good opportunity of observing, told them.

The United States Co's. Manager here, flatly contradicted this statement last week, much to my surprise, and we are not in position to swear exactly what was done.

However, we know that on Saturday Morning, the last day of the Exposition, they put an entire set of new lamps in their 32 light Electrolier and that during the day 27 lamps gave out and were replaced.

The man who watched this Electrolier was absent a part of the time, so they may have replaced other lamps which we did not count.

1883-06-25

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK.
JOHN CHERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188

Their lamps have been run above candle power during this Exposition and the breakage has been very heavy. This we could not help observing with out taking any special pains to do so.

If the United States people had not accused us of making false representations, we should not have undertaken to watch even for a day any part of their plant.

They claim to have brought out a new 150 Ohm Lamp (Cold) recently and have been using it here.

Part of them are made to fit their old sockets and I send a sample to the lamp factory to day.

Part of them are made on the Swan plan and these heat their new sockets very hot.

Their own men say, many of these new carbon break in transit and as burned here the lamps have no life worth considering.

Unless improved they can have no commercial status whatever in my opinion.

We will report information in regard to the United States Plants in our territory as rapidly as obtained.

Sincerely yours,

Geo. H. Bliss
Gen'l Supt.

1883-06-25

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
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JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, June 25th. 188

T. A. Edison Esq.

Dear Sir:-

Replying to your favor of the 23rd. we request that you advise us by telegraph when your man starts for Davenport, so that we can have some one there to cooperate with him in the work.

When here both Mr. Clark and Myself understood that you would keep one man or more if needed in our territory, at your own expense, to prepare data for estimates.

Your letter puts a new aspect in the case.

Of course we expect to act with prudence and not call for estimates except when responsible parties are ready to make an investment on a favorable showing.

In the present situation however, we are entirely in the dark as to the profits likely to be made and depend upon you for this showing.

We may entirely misjudge the situation from lack of knowledge and as you make all the Contractor's profits from actual installation, is it not equitable for you to pay the expense of estimates.

In case of failure to obtain contracts after responsible parties have been secured who are ready to go into the business, if it can be made profitable.

Subject: .....

1883-06-25

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
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JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188 .

Please give this matter further consideration and advise your conclusion.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

1883-06-27

Subject:

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, June 27th, 188

Will try & come to Chicago & stay longer
Ch agree
Saw Pullman & got full information
Many thanks

Thos. A. Edison, Esq.

New York,

Dear Sir:-

Your Favor of recent date making inquiries in regard to the gas plant at Pullman was duly received.

I called at once upon Mr. Pullman and at his suggestion, submitted the questions to the chief clerk.

The Clerk as I am now informed, made detailed answers to the several questions and Mr. Pullman who was then just starting to New York, has taken them with him.

Mr. Pullman's New York office is in Broad street and he has asked me to say that if you can make it convenient to call upon him there, that he will be glad to give you all the information in his power.

We have regrets from all sides, that your stay in Chicago was so short, as many people were anxious to meet you, who had not the opportunity.

I hope you will favor us soon again, and that you will give yourself time enough to look more thoroughly over our field and see more of our people.

Yours truly,

John M. Clark

1883-06-16.

Subject: WE

OEW

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Co.

51 & 53 WABASH AVE.

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THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, June 20 1883

T. A. Edison Esq.
65 Fifth Ave.
New York N.Y.

Dear Sir,

Our operations are at a stand still until your men arrive to prepare data for Village plants.

We have several towns ready in addition to the three named.

Neenah Wis and Racine Wis are in special haste.

Don't fail to send us a man without delay.

Yours
Geo. H. Bliss
Gen'l Supt.

June 30th/53 (431)
Geo. A Bliss
re- Not sending Canvasser

Our man will reach your places in good time. I don't see why you should be at a standstill when you have about 225 Items left, go ahead & get the reasonable assistance from local people that order the Canvass. I don't want to start another man in your territory unless you order more Canvass but will do so immediately you order more Canvasses. Our man can do 2 a week like Dauphant

E

1883-06-30

Subject: No advantage whatever for such a plant. Instantaneous.

Form 33.

Western Edison Light Co.
51 & 53 WABASH AVE.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, June 30 1883

T. A. Edison Esq.
65 Fifth Ave
New York. N. Y.

Dear Sir:

At Iowa City there is a splendid water power 2½ miles from the center of the place which is reliable the entire year.

Probably 5000 lights would be wanted at first.

Would there be an advantage in using the water power over steam located in the center of Chauncey?

Coal is worth $4.00

Yours

Geo. H. Bliss Gen. Supt.

1883-06-30 Form 35.

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Co.

51 & 53 WABASH AVE.

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEDERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, June 30 1883

T. A. Edison Esq.
65 5th Ave.
New York. N. Y.

Dear Sir;

What is the practice for wiring inside of houses where the three wire system is used?

Do you figure the inside wires from the point where mains enter the house?

What percentage of loss do you figure them to have?

Yours
Geo. H. Bliss

Have received the official sign away - only 2 wires
Calculate for 2 pct loss —
E

1883-07-02

Subject

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

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SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 2nd. 188

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:-

Your favor of the 28th. was received.

Herewith please find sworn affidavits in regard to the Edison & Maxim lights at the Railway Exposition, which I hope will answer your purpose.

Our rule is to treat competition with courtesy, until by their conduct, they forfeit the right to such treatment.

Sincerely yours,

Geo. H. Bliss

Gen. Supy.

1883

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 3rd. 188

T. A. Edison Esq.

65 Fifth Ave,

New York, N. Y.

Dear Sir:-

The Common council of this city are about passing an ordinance for the regulation and inspection of Electric light plants.

It is proposed for Arc light plants, that there shall be a resistance of at least one Megohm between the base of the Dynamo and the circuit.

They wish to insert some standard of insulation for Incandescent plants.

I wish you would write me immediately on receipt of this, what standard, if any of this kind should be adapted, also what other standard would be better.

Please send any printed matters bearing upon this subject, which is of value.

There is great haste in the matters for our city fathers have a predisposition for passing just what is not wanted and are not disposed to permit of any delay.

My own opinion is that an insulation standard is not of much account in Incandescent lighting, as our tension

Incandescent plants - such rule generally [illegible] 1 Megohm is about right for Arc Plants - which can [illegible] with Arc light Cut-outs safety [illegible]

1883-07-03

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188 .

is so low.

Separation of wires and proper safety catch protection is far more important.

Please reply immediately, on receipt of this.

Sincerely yours,

Geo H Bliss

Gen. Supt.

Yours Hamilton

1883-07-05

Subject: Ans.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. JOHNSTON, Engineer.

Western Edison Light Company,

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY SEEBERGER.
Z. G. [illegible].

CHICAGO, July 5th, 188

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Yours of the 3rd inst. at hand.

If the Iowa City people could be induced to put in two thousand, or twenty five hundred lights, would that be sufficient to enable them to use their water power to my advantage?

Sincerely yours,

Geo. H. Bliss
Gen. Supt.

How small a Plant would Pay to use Water Power 1½ miles distant instead of steam?

Let me know the Cost of Race Shafting & turbine all complete

also price of common Steam Coal & I will give an answer

Edison

1883-07.06

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 6th. 188

Insull attend

T. A. Edison, Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Your favors of the 3rd. inst. are at hand.

Your Canvasser should go first to Davenport Iowa.

William Renwick, or Geo. H. French, are the parties for him to see there.

From there, he should go to Appleton.

Mr. H. J. Rogers, or A. E. Smith, are the parties to see there. From there, he should go to Neenah.

We will have the names of the parties to see at Neenah, so they can be obtained from Mr. Rogers at Appleton, or they may be communicated to you in time by myself.

From there, the Canvasser can go to Milwaukee and see C. H. Haskins, or John S. George.

From there, to Racine and see Mr. Lewis of Mitchell Lewis & Co.

We shall have plenty of other work for him to do, if these cos go through.

I regard it as bad policy, to work up interest in a town, unless the party can have immediate attention.

Subject: .....

1883-07-06.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188

After the interest has once cooled, it requires three times the effort, to revive again.

Another pointis, that the opposition soon get advice where we are working and come dnto the ground to interfere.

This frequently distracts negotiations and makes them long winded, although we always win in the end.

Our intention was not to send a man to Davenport, to in any way interfere with your representative, but to learn all we can to assist us.in future operations.

The situation and the people in our towns, are so well understood by us, that we can save him considerable trouble and expediate matters by being present.

We appreciate the importance of getting a Central Station plant under way, in this territory and are working hard to accomplish this.

Our wish is to have you do the work on the first towns fitted up, but we ought to be given every opportunity to acquire full information, so as to understand the best method of operation in preliminary work, estimating, construction and organization.

We now understand fully, your position, in regard

1883-07-06.

Subject:

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188 .

to the expense of canvassing towns.

Should the first Western towns equipped, prove remunerat ive, there is no reason why a number of other contracts cannot be closed this year.

With your organization, you ought to be able to do the work cheaper than any one else, but what this and the local Co's require, is such information as will make them competent to appreciate the situation.

If information is with held, it will look as if you were making an undue profit.

Parties who are careful in investing their money, always want a chance to figure on the cost of getting work done and the probable profit on their investment.

We are anxiously waiting to hear of the arrival of your represenrative at Davenport.

He has not yet reported to us.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

D 1883 Form 35.
E. H.

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, July 13 1883

T. A. Edison Esq.
65 Fifth Ave
New York. N. Y.

Dear Sir,

If a "K" or "E" dynamo are feeding into one system can one automatic regulator be made to control the fields of both properly

Please reply by return mail.

Yours
Geo. H. Bliss
Gen'l Supt.

Clarke please tell me how this is - you can get field Res from Forsele

1883-07-13 Form 35.

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, July 13 1883

T. A. Edison Esq.
65 Fifth Ave
New York. N. Y.

Dear Sir,

The Common Council are clamoring as for an answer in regard to the clauses which we wish to have inserted in the ordinance providing for the test of the Conductor system.

They threaten to pass their own ordinance which is objectionable.

Please give us data in reply to my letter as soon as possible.

Yr Ty
Geo. H. Bliss G. S.

Subject: .....

1883-07-19

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 19th. 188 .

T. A. Edison, Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Replying to your favor of the 13th. will say: that I will send you the information desired about water power, at Io. City, In a fwe days.

Sin. Yours
Geo. H. Bliss
Genl Supt

OK

Subject: .....

1883-07-19,

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 19th. 188

Samuel Insull, Esq.

Dear Sir:

I met your Mr. Cooke, at Davenport, so it was immaterial, about his coming to Chicago.

This is in reply to yours of the 16th.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

Subject:

(1883)-06-23

ANSON STAGER, President
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BUSS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 23rd. 188

T. A. Edison, Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Replying to your favor of the 13th inst. will say: that I saw your Mr. Cooke, at Davenport, Iowa, and he gave us a sufficient general idea, of your method for the present, of canvas.

We have nearly a dozen additional towns, where the interest is sufficient, to warrant an examination, if the towns now being estimated upon, result favorably.

We shall not press these negotiations, till the towns already named to you, are concluded.

It is probable, that we shall want a district in Chicago, extending from the lake and Van Buren St. to the river, canvassed, when your Engineer finishes Racine.

Shall communicate, in regard to this matter, in a fwe days.

We gave the United States Co., a severe blow at Des Moines, Io., last week, when one of their Co's. bought an Edison Plant.

Subject: .....

1883-06-23

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

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EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188

I expect, that we will make a large sale, soon, to Bradner Smith & Co., in this city, who have been using the Maxim Light.

The United States Co., annoy us greatly, but in time, the public will learn they can neither do Isolated or Central Station business.

Please send us the rule for calculating conductors, on the three wire system.

Please send particulars, in regard to the new dynamos.

When your estimates and propositions, for Central Station plants come to hand, some special information may be wanted, so that the parties may figure on their proposed work.

I have no doubt, the early contracts will go to you, on account of your experience and ability to do the work economically; but the parties may wish to examine closely into the matter and we desire to have the information needed, to enable them to do so.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

Subject: .....

1883-07-30

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BUSS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, July 30th. 188

Thos. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

This will introduce Mr. J. F. Morris, who goes to New York, to exhibit some underground tubing.

I have seen this tube made and believe it is cheap enough to be used in connection with village plants, instead of overhead wires.

Please give the subject enough time to arrive at its merits.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

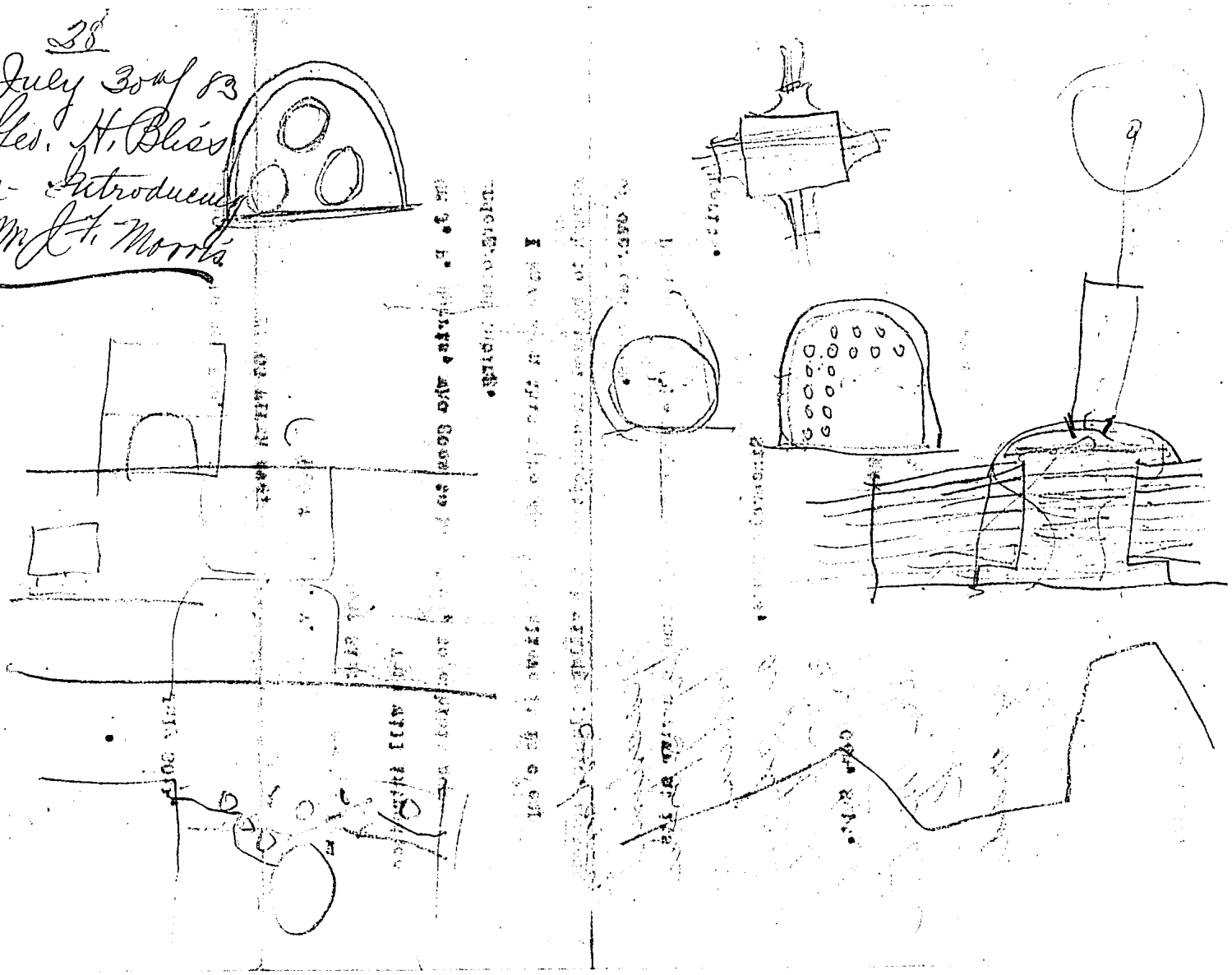
38

July 30th 83

Geo. H. Bliss

Re-Introducing

Mr J. H. Morris



Subject: 1883-08-03 Wellington Edison

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Co.

51 & 53 WABASH AVE.

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. D. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO THIS OFFICE

Chicago, Aug. 4, 1883

Friend Edison:

Mr. J. E. Morrison has gone to New York with an underground conduit system & I gave him a letter of introduction to you.

It is one of the best meritorious things which has come under my notice.

It is cheap enough to use on Village Plant and easy to make being durable & efficient in my opinion.

I hope you will permit him to present the matter for your consideration.

Sincerely Yours

Geo. H. Bliss

FILE NO.

(1883). 08-03.

SUBJECT: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CREGAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 3rd. 188__

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Coal, at Iowa City, sells at from $3.00 to $3.50 per ton.

Gas at $3.50 per M. to large and $4.50 per M. to small consumers.

The information in regard to cost of water power, has not come to hand, but will be communicated soon.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

Receipt ack'd

Mr Campbell

Please note and return

Campbell

Aug 6/83

A. O. Tate

AUG 6 1883

FILE NO.

(1883)-08-04

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
G. SIMMONS.

I understood Cooke to go to Mendota

CHICAGO, August 4th. 188

I telegraphed to

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

They are not ready at Milwaukee and may not be for two or three weeks.

I therefore had Mr. Cooke go to Racine first.

We want Mendota Ill. estimated on at once.

I tehrefore telegraphed to day asking you to have Mr. Cooke go there before going to Milwaukee.

Please advise me, what you did.

I was at Mendota this week and they are in a hurry.

Burtis & Rude are the parties for him to see.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

OK.

A.E.

FILE NO.

SUBJECT:

1883-08-07

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CREHAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 7th, 188

T. A. Edison Esq.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

Replying to your favor of July 26th. will say: that I am urging a canvas in Chicago and Milwaukee Immediately.

We shall probably want a canvas at Wausau Wis. and Oskaloosa Iowa, right away.

I am going to the latter point to night. Our people here have been very much scattered.

Gen Stager is in the mountains, with the President's party.

Mr. Clark has been to Lake Superior three weeks, and now goes to the Sea Shore, for another three weeks.

You will see him in New York, and he will explain matters

Others are away on their summer vacation.

The prospects look bright to me for this Fall.

Sincerely yours,

Geo H Bliss

Gen. Supt.

Per B.S.

1883-08-07

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

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J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 7th, 188

Samuel Insull Esq.

Private Sec'y.

65 Fifth Ave.

New York, N. Y.

Dear Sir:

We expect to need Mr. Cooke at several other points, after he is through at Mendota.

I am trying to hurry them up at Milwaukee, and will report to you soon.

This is in reply to yours of the 4th.

Sincerely yours,

Geo. H. Bliss

Gen. Su pt.

Form No. 1.

1883-08-11

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
667	Tel		good

852 BROADWAY.

Received at 791 BROADWAY. Aug 11 1882.

Dated, Chicago Ill

To Thomas A Edison

65 - 5 Ave

Coal left for Newyork last night michigan central railroad

Jno P Bliss

Genl supt

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1887-08-13

SUBJECT: CLOSE & SONS' WATER POWER.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CREGAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

51 & 53 Wabash Avenue.

How much water power is there in Cedar Rapids etc

CHICAGO, August 13th, 188

Put all correspdce together

Mr Thomas A Edison,
65 5th Avenue, N. Y.

Dear Sir :

M T Close and Sons of Iowa City, Iowa, are the parties who have the water power 2 1-2 miles from Iowa City.

They are running a paper mill at that point which it is expedted will be moved to some point East leaving the power available for other purposes.

They are willing to pool in the power and furnish attendance in connection with electric light plant for Iowa City.

The plant would consist of at least one thousand and perhaps two thousand lights.

At what price could we afford to utilize this power, with a contract extending over a term of years ?

Owing to the distance, would there be any advantage in such a combination ?

We find it very difficult to secure exact terms from these people as they prefer to take their chances in connection with the profits of the business when the electric light is established.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

1883-08-14

Subject: Towns to canvass.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 14th Aug. 1883.

Mr. Thos. A. Edison,
65 Fifth Avenue.

Dear Sir:

Replying to yours of the 26th ult. - Wausau, Wis. & Oskaloosa, Ia., are the next towns which we shall want to have canvassed for village plants.

There is no haste about these points, however unless something unexpected should develope, when we can advise you accordingly.

Sincerely yours,
Geo. H. Bliss
Gen. Sup't.

We had better wait till there are six or eight towns ready before having your Engineer come out.

1883-08-14

SUBJECT: ESTIMATES.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
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J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CREHAN,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 14th, 188

Mr T. A. Edison,
65 5h Avenue, N. Y.

Dear Sir

Please let us know when we may expect the estimates for Appleton, Neenah, Racine, Davenport and Mendota.

The Neenah parties are especially anxious for the proposition.

Sincerely yours,

Geo. H. Bliss

Gen Supt

Subject: Neenah 1883-08-17 Form 35.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Co.

51 & 53 WABASH AVE.

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 17th Aug 1883

Mr. Thos. A. Edison
65 Fifth Avenue.

Dear Sir:

Yours of 15th, with blue print of Neenah, received.

We will get the information, at the earliest possible moment and forward to you.

Sincerely yours,
Geo. H. Bliss
Gen'l Supt.

RECEIVED
AUG 20
ANSWERED

FILE NO.

1883-08-20

SUBJECT: COMMUTATORS.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
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JNO. B. DRAKE,
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SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, August 20th, 188_

Mr T. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Permit me to call your attention to our experience with several commutators.

The dynamos will run along in good shape for a time when suddenly one or more of the commutator bars will sink, after which the commutator will flash so badly that we are obliged to turn ~~xk~~ it down and get an even surface.

This has happened with machines which have run all right for several months, one case in particular being that at Minonk, Ill. with a 150 light dynamo.

There we found by taking out some of the commutator bars that the paper insulation between the bars and the shaft had been charred and a portion of the current eventually short circuited in that way.

We think this trouble was originally caused by the heating of the ~~jxxxxx~~ journal at the commutator end, as this plant is very badly cared for.

I should think an insulation of isinglass would be much better to use than paper unless there are objections not understood here.

This sinking of the commutator bars after the dynamo has been used a considerable time is quite a serious annoyance and perhaps you can give us some instructions of value in avoiding as well as remedying the difficulty.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

(Hurlbut)

We are going to use Mica here after

Form 35.

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Co.

51 & 53 WABASH AVE.

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THOMAS A. EDISON.
ANSON STAGER.
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J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF .....

Chicago, Aug 22 1883.

Edison Machine Works
65 Fifth Avenue.

Gentlemen.

Will you please advise us when we may expect the 50 light dynamos will be in the field, also the weights of the various sizes of machines?

Obliging

Yours truly
Geo H Bliss
Gen Supt
HCH.

Subject: Receipt of Instructions - 1883-08-22

FORM 30.

ANSON STAGER, President.
JOHN M. CLARK, Vice-Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue,

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CREHAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 22d Aug 1883

Edison Machine Works
65 Fifth Avenue
Gentlemen:

We acknowledge receipt of yours of 20th inst relative to the change of business and future disposition of orders.

Yours Truly
Western Edison Light Co.
per Hurlbut

SUBJECT: APPLETON CENTRAL STATION.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
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SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 22nd August, 188__

Cancelled

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

In reply to your favor of the 18th will say, the precise location for the central station at Appleton has not been determined.

There is some power at a central point which was indicated to Mr Cooke when there, which can probably be rented or purchased.

It is at present under litigation and there has been an unexpected delay in arriving at a price.

A few days since, the Appleton Company wrote Gen St ager and asked him if he would loan the funds to make the purchase.

Gen Stager is now absent in the mountains with President Arthur and party so n othing has been done in the matter.

Wherever the power is located a cheap building will have to be put up and the wheels and shafting put in.

It is probable the Appleton parties would prefer to do this themselves as they are experts in such matters, so in making up your figures this can be left for them to do.

We will try to get the position of the proposed lot located on the blue print and forward to you soon so your estimate can be made out.

It is proposed to move the two K dynamos to this central station and utilize them in connection with the plant if you deem it advisable.

If moved they expect to use the three wire system.

Will get the sizes of wires used between the dynamos and different points lighted and report to you at an early date, with the other information asked for.

Yours truly,

Geo. H. Bliss

Gen Supt.

(H. Thullen)

Subject: Mendota Estimate.

1883-08-31

FORM 30.

ANSON STAGER, President,
JOHN M. CLARK, Vice-Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue,

DIRECTORS:
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J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago, 31st Aug, 1883.

Mr. T. A. Edison,
65 Fifth Avenue.
Dear Sir.

SEP 4 1883
Rep. 3
FILE NO.

The Mendota people are becoming very anxious to know when their central station estimate can be expected and it would be largely to our interest if both the Mendota and Davenport matters could be rushed through.

I wrote you some days since about the move being made by the U.S. people at the latter place.

At Des Moines a new disturbing element has put in an appearance, in the shape of the Burnstine Incandescent Light.

Our Des Moines plant will soon be in operation and we hope for good results.

Yours truly,
Geo. H. Bliss
Gen. Supt.
H.W.C.

Want Information of Davenport Estimate if Received

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY		CHECK
441	[illegible]	[illegible]	B Paid	

Received at **791 BROADWAY.** Aug 1882-3

Dated, Chicago Ill 4

To T A Edison 65 Fifth Ave

NY

Please instruct Cooke to go to Menlo Pa Ill from Racine on Milwaukee Prot Jute ready

Geo H Bliss

This telegram has been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

[illegible] DIRECT WIRES.

1883-09-12

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON, ANSON STAGER, JNO. B. DRAKE, J. W. DOANE, SAMUEL MERRILL, NORMAN WILLIAMS, EDSON KEITH, JOHN M. CLARK, JOHN CREHAN, ANTHONY F. SEEBERGER, Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago. Sept 12 1883

Samuel Insull Esq.
Edison Machine Works.

Dear Sir:

Yours of the 10th was rec'd and the draft for $2.176.22 has been paid.

Your telegram was promptly answered giving permission to draw and should have been rec'd.

Yours Ty
Geo. H. Bliss
Genl Supt

RECEIVED
SEP 15 1883
ANSWERED

.....188

FILE No.....

1883-09-13

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

RECEIVED

WESTERN EDISON LIGHT CO.

51 & 53 Wabash Avenue.

FILE No.....

DIRECTORS:
THOMAS A. EDISON, ANSON STAGER, JNO. B. DRAKE, J. W. DOANE, SAMUEL MERRILL, NORMAN WILLIAMS, EDSON KEITH, JOHN M. CLARK, JOHN CREHAN, ANTHONY F. SEEBERGER, Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago. Sept 13 1883

T. A. Edison Esq.

Dear Sir: How about bad wkg of Palmer house elevator? Parties in charge Tower have expressed desire for a canvass and estimate. I suppose it is very bad.

I suppose there is nothing to be gained by crowding these canvassers until negotiations with the town already canvassed are concluded.

The Louisville Edison exhibit is immense.

We are getting some localite orders and the prospects for this fall are good.

Yours
Geo. H. Bliss
Genl Supt

1883-09-17

SUBJECT: PALMER HOUSE PLANT.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, September 17th, 188

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Replying to yours of the 14th inst will say, the gentleman who gave you the information in regard to the plant at the Palmer House is mistaken.

There is a large number of arc lights in the offices, vestibule and halls, and he must have referred to them.

Our inspector visits this plant frequently and they also call upon us whenever anything is wrong with the lights.

We were at the hotel a few days since and they informed us that everything worked perfectly.

We have no hesitation in saying the gentleman is in error in regard to the Edison plant there.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

The man who reports it was
director our Co 2 years &
thoroughly understands
the difference Get arc &
incandescent - he positively
states it does not quote
officer as he [illegible]
there E

SUBJECT:

1883-09-19

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

RECEIVED

WESTERN EDISON LIGHT CO.

51 & 53 Wabash Avenue.

FILE No.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
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NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago. Sept 19 1883

T. A. Edison Esq.

Dear Sir:

Please send us a set of blue prints used in installing the plant at the Louisville exposition.

It is hard to express my admiration for the Edison plant which you have put in here.

Yours

Geo. H. Bliss

Genl Supt

1883-09-20

SUBJECT: DELAYED ESTIMATES.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
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EDSON KEITH,
JOHN M. CLARK,
JOHN CREHAN,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, September 20th, 188

Mr Thomas A. Edison
65 5th Avenue, N. Y.

Dear Sir:

We have been waiting for a long time for the estimates for the various towns measured up and the parties are crowding us badly.

The Racine estimates promised the early part of this week have not yet come to hand.

Please hurry them along as rapidly as possible and oblige,

Sincerely yours,

Geo H. Bliss
Gen Supt.

Davenport Parties were in today to see what the Prospect is.
The U. S. G. have just started up a Plant there.

~~Davenport - Ready for Estimate~~
Racine - about Thursday will be ready to Estimate
Neenah - Wrote Bliss 4th re lot
Appleton
~~Minnesota~~ Estimate Goes Forward today (20th)

SUBJECT: 1883-09-24

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

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EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago. Sept 24 1883

T. A. Edison Esq.

Dear Sir:

The Mendota estimate has not come to hand.

Was it forwarded as you requested?

Yrs Ty

Geo. H. Bliss

Genl Supt

SUBJECT: 1883-09-26

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Supt.
P. D. JOHNSTON, Engineer.

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EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF

Chicago. 9. 26 1883

T. A. Edison Esq.

Dear Sir:

I am going to New York tomorrow to see you. Shall stop at one or two places on the way.

Yrs. Ty

Geo. H. Bliss

1883-10-20

Mr. Edison,

Mr. Chicago Bliss made me a lengthy written report about his visit to Willimantic Tuesday night. I am rewriting the whole of it. I will then print it in the next Bulletin.

S. B. Eaton

Oct. 20th. 1883.

per Mc.G.

1883-10-24

Form No.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within thirty days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. 1002 NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
0 396	Cm	Q	10 paid Nite

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, Oct 24 1883.

Dated Chicago 24

To Thos A Edison

65 5th ave N Y

Davenport gazette plant is all right had ground in mains

Western Edison Light Co

1883-10-27

Subject: Price of Dynamos.

Anson Stager, President.
John M. Clark, Vice Pres. and Treas.
D. H. Louderback, Secretary.
Geo. H. Bliss, Gen'l Sup't.
P. D. Johnston, Engineer.

Western Edison Light Co.

51 & 53 Wabash Avenue,

Directors:
Thomas A. Edison,
Anson Stager,
Jno. B. Drake,
J. W. Doane,
Samuel Merrill,
Norman Williams,
Edson Keith,
John M Clark,
John Crerar,
Anthony F. Seeberger,
Z. G. Simmons.

In reply to yours of

Chicago, Oct 27th, 1883.

Mr. Sam'l Insull
65 Fifth Avenue.

Dear Sir.

Will you please advise us at what price the various sizes of the new dynamos will be furnished us? Also the particulars as to size of pulley, speed of armature, and general dimensions of the dynamos.

An early reply will oblige

Yours truly,
Western Edison Light Co.
per Geo. H. Bliss, Gen. Supt.

1883-10-31

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
426	Co R.	1494	436

Received at 852 BROADWAY.

RECEIVED Oct 31 1883.
OCT 31 1883
ANSWERED

Dated Chicago 31 1883.

To Thos A. Edison

FILE No.

Additional information relative to Meech and Appleton will be mailed in day or two Geo H Bliss

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES. Genl Supt

1883-10-31

SUBJECT: DAVENPORT PLANT.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CHERAB,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, October 31st, 188__

Mr Thomas A. Edison,
65 5th Avenue,

Dear Sir:

We have a letter from Mr Russell, of Davenport, stating that since we corrected the troubles arising from grounded wires the light there has been giving the best of satisfaction.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

1883-11-03

SUBJECT: REPAIRED ARMATURES.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

Copy.

CHICAGO, November 3d, 188__

Mr Thomas A. Edison,
65 5th Avenue,

Dear Sir:

Several of the armatures we have had repaired recently have come back here in a useless condition. We return this date one K and one J, so received. This trouble has caused us very serious incoovenience and seems so entirely needless that we hope you will see the armatures forwarded for repairs are put in proper condition before returning them to us.

Sincerely yours,

Geo H. Bliss

Gen Supt.

answered —

Golden please report what defects were & see if you can remedy them so they will never occur again

1883-11-05

SUBJECT: MENDOTA COMPANY.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CHERAB,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

RECEIVED
NOV 7 1883
ANSWERED
Nov 7 1883
FILE NO.

CHICAGO, 5th November, 188

Mr Thomas A. Edison,
65 5th Avenue,

Dear Sir:

I paid a visit to Mendota last week and consulted with the parties interested there in the proposed Edison plant.

I found them disposed to insist on so many special provisions in the contract that the pecuniary success of the enterprise will be likely to suffer if their ideas are carried out.

It is therefore probable that the Mendota matter will be delayed until the local parties are willing to have the transaction concluded in conformance with the ideas of this company.

One of the members of the Mendota company has given the subject of electricity considerable study and has inflated himself with the idea that he can install an electric light plant as well as we can do it.

He is altogether too enthusiastic in the matter and needs an opportunity to cool off.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

OK Let them cool off

SUBJECT: APPLETON AND RACINE ESTIMATES.

1883-11-09

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

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EDSON KEITH,
JOHN M. CLARK,
JOHN CREBAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, November 9th, 188__

Mr Thomas A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Your favor of the 7th inst received.

We have been trying to have the Appleton people forward the necessary information to you for the location of the station at that point and they have promised to do so several times.

We will stir them up again.

The Racine estimate was taken there and referred to the parties interested, who expressed themselves as favorably impressed and an effort is to be made to get the necessary capital subscribed and a plant put in.

We have never recived a copy of the contract made by you with local companies for the installation of a plant.

Will you kindly send us one or two copies and oblige?

Sincerely yours,

Geo. H. Bliss

Gen Supt.

1883-11-13

Major Eaton,

Referring to the attached from Mr. Bliss, who wants a canvasser to go to Madison, Wis., what is your opinion on the subject? Shall we send one?

S. Insull,

November 13th. 1883. per C. D

1883-11-08

SUBJECT: CANVASSER FOR MADISON.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

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EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, November 8th, 188

Mr Thomas A. Edison,
65 5th Avenue, New York.

Dear Sir:

Please send a canvasser to Madison, Wis., to prepare data for a central station estimate.

A party of gentlemen have interested themselves in the Edison Light and wish a proposition for the installation of a plant there.

There is some haste in the matter.

Please advise when the man will come, and he had better stop here on his way to get letters of introduction to the parties interested.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

In case the plant is not put in this Co. will pay the expense of the canvasser & estimate.

1883-11-14

Mr. Insull,

I would send a man as they request. I note that they say they will bear the expense if the plant is not put in. Our company will not assume any expense for the Chicago Co's territory.

S. B. Eaton

Nov. 14th. 1883. per Mc.G.

1883-11-19

Mr. Johnson,

Mr. Edison would like you to look into this matter and write Mr. Bliss about it, or else supply me with the data to write Mr. Bliss.

S. Insull,

November 19th. 1883. per G. G

1883-11-14

SUBJECT: AUTOMATIC REGULATORS.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 14th November, 188

Mr Thomas A Edison,
65 5th Avenue,

Dear Sir:

The adjustment on the automatic regulators installed by us seems to change gradually so as to cause the lights to run higher.

Will you please suggest a remedy for this difficulty, or give the reason therefor ?

Sincerely yours,

Geo. H. Bliss
Gen Supt.

Mr Johnson
to look into this

Mr Insull: This is due to the variable resistance of the carbon & the [illegible] [illegible] to 2. The [illegible] [illegible]

Occasional Reading
Hon Spring

Nov 14/13
G. H. Blood
Automatic
regulators

K

1883-11-21

SUBJECT: Z A ARMATURE.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, November 21st, 188

Edison Machine Works,
65 5th Avenue, N Y

Gentlemen;

October 20th on order No 151 we asked for one Z-A armature with pulley 7 inch face.

This has not yet been received. Will you please advise when we may expect it ?

This is for the plant in Marshall Field's retail establishment, and as the present dynamo is not giving satisfaction we should like to have this order receive immediate attention.

Yours truly,

Western Edison Light Company,

By Geo. H. Bliss
Gen Supt.

Will be shipped Thursday next

1883-11-23.

SUBJECT: AUTOMATIC REGULATOR.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, November 23d, 188

Let us know every defect & Explain it minutely
We are working to perfect it
+ Every well taken criticism
gratefully

Mr Thomas A Edison,
65 5th Avenue,

Dear Sir:

Replying to your favor of the 21st will say that the automatic regulator is so valuable in controlling the candle power of lights, and in decreasing breakage of lamps that we would not think of operating any large plant without it.

There are however some difficulties which we would like to overcome.

I understand there has been complaint elsewhere that the spring in the relay magnet gets weak.

The trouble about which we wrote you is that the candle power gradually runs up when the regulator is in use which would indicate either that the spring grew stronger or that the magnet weakened.

We do not see how the suggestion you make that the magnet coils gradually increase in resistnace, owing to temperature holds good.

Our greatest trouble is at the Daily News where they have a 150 light dynamo, which runs constantly except about six hours each week.

The room where the regulator is placed is hot, but the temperature is uniform.

We have moved the magnets up to armature once and have gradually let out the spring until it can go no farther without changing construction.

We have had the same trouble in a less degree elsewhere.

We will give you our future experience, but meanwhile shall be glad to have a remedy for this special difficulty.

The Bell Indicator which we have in Haverly's Theatre has operated perfectly so far as the relay magnet is concerned, for a year without change of adjustment.

The same principle is involved in this magnet as in the automatic regulator.

We use only the lamps on the Bell Indicator, as the bell portion seems to be of no use.

Sincerely yours,

Geo. H. Bliss
Gen'l Sup't

SUBJECT: ARMATURES AND 32 CANDLE LAMPS.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, December 3d, 188

Mr Thomas A Ed ison,
65 5th Avenue,

Dear Sir:

We are having a great deal of trouble with our armatures.

The commutator bars frequently raise or lower, which causes sparking and such heat as to injure the insulation on wires.

We are doing our best to master the difficulty but the discouragement is great.

A 250 light dynamo on which we have sixty 32 candle lamps, the balance of the load being 16 candle la lamps refuses to carry its load.

This dynamo has carried 250 16 candle lamps well.

Do 32 candle lamps take so much more current than sixteens ?

Sincerely yours,

Geo. H. Bliss

Gen Supt.

One 32 is equivalent to 2 16 cp Lamps -

You must have Dynamos in hot place or else you do not keep the brushes at non sparking point 2 6 Cox out of non sparking point will heat machine more than 50 Extra Lamps.

We are improving our new machine in ratio of Commutators

SUBJECT: DATA FOR CENTRAL STATIONS.

RECEIVED
DEC 7 1883
ANSWERED
188...
FILE No.....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, December 5th, 188__

Mr Thomas A Edison,
65 5th Avenue,

Dear Sir:

Yours of the 3d inst with blanks to be filled out for central station estimates, is at hand.

We have forwarded the Appleton blank to the Appleton Company for attention.

As Minneapolis and St Paul are outside of our territory we return the blanks for those points to you.

Yours truly,

Western Edison Light Company,

By Geo. H. Bliss

Gen Supt.

SUBJECT: NEENAH PLANT.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

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EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, December 8th, 188

RECEIVED DEC 10 1883
ANSWERED Dec 10 1883
FILE No.

Mr Thomas A Edison,

65 5th Avenue,

Dear Sir:

The parties at Neenah are going to build water works there providing accommodations for the central station Edison plant.

This will not be ready, however, for two or three months, but as soon as completed they will close the contract for the Neenah installation.

Yours truly,

Western Edison Light Company,

[illegible]

Gen Supt.

1883-12-12

Subject .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDENBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF .....

Chicago, Dec. 12 1883

Dear Sir

We have misplaced the copy Mr Edison sent us of the contract made by him with local companies for the installation of central station plants.

If convenient will you please send us a half dozen copies? Oblige

Yours truly,
W. E. Light Co.
Treasurer

Mr. Sam'l Insull

SUBJECT: AMPERE METER.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CREHAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, December 19th, 188

Mr Thomas A Edison,

65 5th Avenue,

Dear Sir:

We are thinking of ordering an ampere indicator for use in connection with the plant at the Best Brwery.

This is an installation of eight and sixteen candle lamps and a 250 light dynamo.

There is a considerable number of lamps in excess of the capacity of the dynamo.

Would you advise us to use one on such a plant and will you kindly request Bergmann and Company to give us figures on same ?

Sincerely yours,

Geo. H. Bliss

Gen Supt.

Yes use one, Bergmann make them, order one to show load graduated from zero to 275 amperes

E

SUBJECT: DYNAMO TROUBLES.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
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NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 28th December, 188

Mr Thomas A Edison,

65 5th Avenue,

Dear Sir:

Dec 5th we received a letter from you signed by Mr Insull, containing the following paragraph;

"We must confess that we cannot understand why it is, but the troubles with machines seem to come almost entirely from your territory, as we do not hear of any troubles from any other places that amount to anything."

Your favor of the 24th is now at hand, enclosing Mr Solden's letter, which we return herewith.

We are not familiar with the whole field, but judging from the defect sheets received here, and information from other sources, this is not the only territory where trouble is experienced with dynamos.

You have repeatedly requested me to report all defects in apparatus fully, no matter ~~where~~ where from.

We have endeavored to do this always in a fair way, hoping the facts would assist you in perfecting the apparatsu.

You must not forget that we have a considerable

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
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JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 188

territory, with many plants in operation - some of them having run a long time; Furthermore, these plants are not under our control.

If the dynamos were run by our men or men selected by us there would be less difficulty.

The average engineer, especially if he has other duties to perform, oftentimes neglects a dynamo at a moment when with a little care, trouble would be avoided, but once started disastrous results follows.

As a rule electric light plants increase the duties of engineers without additional compenstaion and they will beat the electric light plant if permitted to do so.

A great many of our dynamo troubles come with plants where a number of lamps have been installed in excess of the capacity of the dynamo.

Notwithstanding explicit specifications in our contracts as to the number of lights to be burned at one time the dynamos are often abused, causing troubles for which the pruchasers themselves are alone responsible.

We have now adopted the rule of never installing more lamps than the rated capacity of the dynamo.

We have some plants in use where the service is very hard on the dynamos as a full load must be carried

SUBJECT:

3

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
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JOHN M. CLARK,
JOHN CHERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 188

for ten, and in some cases, twenty-four hours.

It is my opinion that the capacity of the dynamos furnished has been over-rated when such service is required.

I know that a 250 light dynamo will often burn even 300 lamps for a limited time, but my experience is against their capacity to carry 250 lights ten hours continuously.

The greatest trouble we have with dynamos comes from the raising of commutator bars when hot resulting in their sinking when cool.

We almsot invariably find the paper under the bars carbonized which causes mischief.

I supposed you were now using mica under the bars, but the 100 light dynamo recently received has paper.

The dynamo has been carrying 88 lights ten hours, but has not performed well. Bars have raised in the commutator and the dynamo has always run hot.

Mr Wirt, our inspector, thinks the commutator is too small to take off such a current.

I am not yet prepared to express this opinion.

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
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JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 188

We had this dynamo with 125 lights 5 hours & now 120 lights 11 hours

The dynamo certainly has not done well.

Besides the bars raising and sinking it has been hot enough twice to unsolder wires and burn insulation on end of the wires.

This dynamo has had a good deal of attention and inasmuch as we have run commutators nearly two years without a thing being done to them I believe we know how to take care of them.

The Davenport I repaired armature went direct to the Davenport Electric Light Company who could not make it work, although one we loaned them did well.

In trying to make it work they undoubtedly broke off the knife blade between the bars.

This, however, does not prove it to have been received in good order.

Inasmuch as two other repaired armatures came back to us in bad condition we felt warranted in making a complaint.

I shall be heartily glad when our machinery is concentrated in central stations under competent management.

Isolated business will always be a great annoyance.

5

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
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EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 188

In closing please allow me to call attention to the long time it takes to repair armatures.

We have several now at the Machine Works for which our service is suffering at the present time.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

SUBJECT: ARMATURES FOR REPAIRS.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

DIRECTORS:
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ANSON STAGER,
JNO. B. DRAKE,
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SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CHERAR,
ARTHUR F. SEEBERGER,
Z. G. SIMMONS.

Keep this letter and
are wheating by quick
amount are due
Edison

CHICAGO, December 29th, 188

Mr Thomas A Edison,

65 5th Avenue,

Dear Sir:

We have the following armatures at Machine Works for repairs:-

Kind.	Where From.	Date Shipment.
L A	Detroit.	Oct 9th.
L A	Chicago.	Nov 13th.
K A	"	"
L A	Davenport, Ia.	Nov 21st.
K A	Chicago	Dec 10th
Z A	Batavia	Dec 15th
G A R	Chicago	Dec 19th
L A	"	Dec 29th

You will notice that some of these armatures have been at the Machine Works for a long time and we are in great need of them.

Will you kindly have this matter attended to immediately ?

We send herewith bill against the Machine Works amounting to $102.30, which please have credited to us.

SUBJECT:

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't.
F. S. GORTON, Treasurer.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT COMPANY,

51 & 53 Wabash Avenue.

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J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CHERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

CHICAGO, 188

These two armatures were imperfectly repaired; One burned out instantly and the other gave no light.

No 161 was sent back again from Davenport and 109 goes from here to-day.

We mail you herewith a formal order for repairs on the Davenport and the Batavia armature, notice of shipment haing previously been given.

An order for repairs to armature 109 sent to-day is also inclosed..

We shall also have an additional charge for freight and cartage on the G A armature sent you for repairs, as we cannot afford to be to so much expense resulting from defective apparatus.

This small armature with the very best of care, carrying only its rated load of 25 lamps ran only a few days.

Sincerely yours,

Geo. H. Bliss

Gen Supt.

1883

OFFICERS.
ANSON STAGER, President.
JOHN M. CLARK, Vice-Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

DIRECTORS.
THOMAS A. EDISON. NORMAN WILLIAMS.
ANSON STAGER. EDSON KEITH.
JNO. B. DRAKE. JOHN M. CLARK.
J. W. DOANE. JOHN CHERAR.
SAMUEL MERRILL. Z. G. SIMMONS.
ANTHONY F. SEEBERGER.

WESTERN EDISON LIGHT COMPANY,
51 AND 53 WABASH AVE.
CHICAGO.

1883. Electric Pen (D-83-065)

This folder contains correspondence and other documents relating to the design and marketing of the electric pen. Other letters concern ownership of foreign patent rights.

All the documents have been filmed.

LAW OFFICE
GEORGE R. DAVIS
250 WASHINGTON ST.
"Telephone" No. 70

21-
1883-02-17

Davis

Wet Electric

Jersey City, N. J. Feby. 19 1883

Thos. A. Edison

Dear Sir -

I am the owner of what I believe to be one of your electric pens. Two years ago it was in constant use, but has been laid away for some time and the "formula" for the battery fluid has been lost. I have attempted to use the Lalanché cells (3) but have been left.

Please let me have formula for the zinc & carbon battery accompanying the pen, and which I have ~~found~~ used with the greatest satisfaction.

Very truly yours
George R. Davis

---

21 1883-03-17

Answered Mch. 17 88

Mrs Haines

WOMAN'S EXECUTIVE COMMITTEE OF HOME MISSIONS
OF THE PRESBYTERIAN CHURCH

Mrs. Ashbel Green, President,		N. J.
Mrs. J. B. Duss,	Vice-President,	Pa.
Mrs. S. F. Scovel,	" "	"
Mrs. G. L. Little,	" "	Neb.
Mrs. W. M. Ferry,	" "	Mich.
Mrs. J. L. Williams,	" "	Ind.
Mrs. C. J. McClung,	" "	Tenn.
Mrs. J. W. Allen,	" "	Mo.
Mrs. T. M. Sinclair,	" "	Iowa.
Mrs. B. F. Potter,	" "	N. Y.
Mrs. D. R. James,	" " L. I.,	N. Y.
Mrs. Allen Butler,	" "	N. Y.
Mrs. C. N. Olds,	" "	Ohio.
Mrs. R. Folsom,	" "	"

Mrs. M. E. Boyd, Treas'r,
Post Office Box 1038.

Mrs. L. M. Miller,	Vice-President,	N. Y.
Mrs. A. R. Quaife,	" "	D. C.
Mrs. H. L. Parmelee,	" "	Tex.
Mrs. J. V. R. Hughes,	" "	Wis.
Mrs. J. Cameron,	" "	Cal.
Mrs. G. Norcross,	" "	Pa.
Mrs. W. N. Page,	" "	Kan.
Mrs. F. E. H. Haines,	Cor. Sec'y,	N. Y.
Mrs. D. M. Miller,	" "	"
Mrs. C. H. Langdon,	" "	N. J.
Mrs. David Blake,	" "	N. Y.
Mrs. Jas. M. Ham,	" "	"
Mrs. S. B. Brownell,	Rec. Sec'y,	"

23 Centre Street, New York, Feb. 1883

Mrs. Thomas Edison - Menlo Park N. J.

Dear Madam

Can you give me address of office of "Electric Pen" in New York City? It has been moved from Nassau Square.

I am still using with pleasure one of the first ones made — Kindly send me some "paper" my supply — no response.

Yr. E. H. Haines Jr.

1883-04-18

OFFICE OF Larson's Electric Pen and Press.

197 Pearl St., Cor. Maiden Lane.

New York, April 18th 1883.

Edison Electric Light Co.

Electric Pen Outfits,
" " Supplies,
" " Repairs,
" " Printing,

Bought of — John Doran

E.P. Printing 100 Statements, Running Expenses	2	50
" " 100 " " Profits	2	50
200 Letter Print Paper 2 p/d		80
	$5	80

Received Payment
John Doran

Village Room
#1074 Chron

1883-04-18

OFFICE OF Larson's Electric Pen and Press.

197 Pearl St., Cor. Maiden Lane.

New York, April 21st 1883.

Edison Electric Light Co.

Electric Pen Outfits,
" " Supplies,
" " Repairs,
" " Printing,

Bought of — John Doran

E.P. Printing, Estimate		
4 Stencils 50 Copies each	6	00
200 Sheets Letter Print Paper 40		80
	$6	80

Received Payment
John Doran

1883-04-27

OFFICE OF Edison's Electric Pen and Press.

197 Pearl St., cor Maiden Lane.

Edison Electric Light Co. New York, April 27th 1883.

Electric Pen Outfits,
" " Supplies,
" " Repairing,
" " Writing,

Bought of — John Doran

23	E.P. Writing & Printing 38 Copies Note	$	1.25
24	" " 100 " Letter	2.50	
	(Profit statement with note added)		
	100 Letter Print Paper	1.40	2.90
"	" Printing 100 Copies (F.C.O.)	.50	
	(Statement summary expired)		
	100 Letter Print Paper	.40	.90
27	E.P. Writing & Printing Estimate #2, Brockton		
	4 Stencils 50 Copies each @ .150	6.00	
"	" Printing Estimate #3, Brockton		
	3 Stencils 50 Copies ea @ .50	4.50	
"	" Printing Estimate #4 Brockton		
	4 Stencils 50 Copies ea @ .50	6.00	
	550 Letter Print Paper @ .40	2.20	18.70
" "	" 4 Stencils, 50 Copies ea (Schanewky) @ .50	2.00	
	200 Letter Print Paper @ .40	.80	2.80
	Rec'd John Doran — $26.55		$ 26.55

Electric Pen.

1883-05-14

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK May 14th 1883.

Western Electric Prices

Electric Pen prices are those of the enclosed Catalogue &c. With whatever Royalty there may be off. They don't yet know what the Royalty is, but think 33%.

Am Sick Telegraph.

Answer back eleven cents $7.50.

Western Union Makes them.

D 1883.

El. Pen

Wilmington N.C.
June 18th 1883

Manufacturers of Edison Electrical Pen Engraving Shop

Gent,

I desire to get 2 semicircular Porous cups and One Glass Jar. Diameter 3½ in, by 11⅝ in in hight. to replace broken ones in the instrument of your make which I now have. please let me heard what the same will cost at your earliest convenience and oblige

Your Respectfully
H. A. Morton

P.O. Box 212.

32. Fawcett Street,

Sunderland July 26th 1883

T. A. Edison Esq

Dear Sir;

I have on several occasions thought that I ought to lay before you my position in reference to your Patent for the Electric Pen.

You recollect, no doubt, the visit of Mr. Ireland to New York and the whole circumstances of the Sale and purchase.

The price I paid for the purchase was in all £4000 - a portion of that sum went into other hands I believe.

I have been a very heavy loser

2

indeed by the purchase - at this moment the loss is about £7000 and that has caused me much trouble and anxiety.

I write to you now with the hope that you may incline to look at the transaction as one of misfortune to me - : if you can do so and make some rebate from the original purchase it will be of great service to me I can assure you.

I know that I can only put my case before you in the form of an appeal and if you will generously and kindly consider it I shall be obliged

Yours faithfully

J. B. Breeton

Menlo Park
New Jersey
New York

1883-07-26

OFFICE OF Edison's Electric Pen and Press.

197 Pearl St., Cor. Maiden Lane.

Edison Electric Light Co.

New York, Aug. 4th 1888.

Electric Pen Outfits,
" " Supplies,
" " Repairs,
" " Writing,

Bought of — John Doran

E.P. Writing & Printing Estimate #10.

5	Stencils, 50 Copies each	@ 1 50	7 50
250	L.C. Print Paper	60	1 50
			$ 9 00

Per T.A. Edison.

Received Payment

Paid

1883-11-14

Dyer,

Will you please read the enclosed and let me know what patents we have in France on electric pen and appendages, as my answer to Mr. Wells will entirely depend on how our patents stand in France.

S. Insull,

November 14th. 1883. per G.

Shown with pleasure for answer to refer to Dyer

A

[ENCLOSURE]

(Sc. Pen)

1883-10-20

BELL TELEPHONE MANUFACTURING Co.
(SOCIÉTÉ ANONYME)
ANTWERP.
(TELEGRAMS "MICROPHONE")

I think I have a patent in France; ask Dyer

15 pct on Everything Except pen =

[illegible] THE [illegible] OF THE [illegible] TO, WITH THE [illegible] TO GET [illegible]

[illegible] SAME, [illegible] THE PEN HAS TO COMPETE WITH [illegible] OTHER REPRODUCING PROCESSES, THE PRICE WILL HAVE TO BE MADE RATHER MODERATE TO ENABLE MR. GODDRAY TO USE OUR BATTERIES.

WILL YOU PLEASE ASK MR. EDISON WHAT ROYALTY HE WILL MAKE ON THE EXPORT OF BATTERIES AND OTHER PARTS, FOR COUNTRIES WHERE HE HAS NO PATENTS, AND ADVISE ME AS SOON AS POSSIBLE WHAT YOUR PRICE WILL BE, AND THE PERCENTAGE OF ROYALTY.

THE OLD NET PRICE IS £2.SOUSD, FOR EXPORT, WAS ABOUT £2.50 FOR BATTERY COMPLETE.

YOURS TRULY,

[ENCLOSURE]

(Re. Pen)

1883-10-29

ATTICA, OCT. [illegible], 1883

NEW YORK

electric pen

WRITE YOU RECENTLY ABOUT BATTERIES FOR EXPORT. WE ARE TRYING TO SELL THEM IF ANY ROYALTY IS CHARGED, WE, EVEN THEN THE PRICE WILL HAVE TO BE REDUCED [illegible]

I ENCLOSE IS AN ORDER FROM [illegible] FOR [illegible] THE LAST LOT WAS PAID, BUT [illegible] AS A FORMER LOT, WHICH YOU SENT US LAST FEBRUARY. THE BATTERY WAS [illegible], WE LOST LESS MONEY. THE FIRST SENT OUT IN [illegible] 1881, [illegible]

YOURS TRULY,

J. M. Miller

(1)

[illegible]

[illegible]

[illegible]

[illegible]

1883-11-15

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O.Box, 260.

New York, Nov. 15th 1883

R. N. Dyer Esq

Dear Sir

In reply to yours of yesterday I have to state that the Electric Pen was patented as follows:-

Great Britain	Octo. 29.	1875.
France	May 6.	1876
Belgium	" 8	"
Italy	Aug 26	"
Austria	Octo. 6	"
Canada	Sep. 6	"

I send herewith a copy of the specification from which you will see that the Pen, Battery, Frame and Ink were claimed.

I do not know whether the French Patent is in force or not, as no annuities thereon have been paid through me since 1879: the same with regard to the Belgian, Italian and Austrian Patents.

Yours truly
Samuel W. Serrell
Jr. C.H. Smith

Electric Pen Press.

1883-11-22

Western Electric Company,

New York.

Nov. 22, 1883.

T.A.Edison, Esq.

65 5th Avenue,

New York City.

Dear Sir:

Mr Welles, our representative in Antwerp, writes that he is informed that "The Edison representative at Paris in '81 had a fast Electric Pen Press, which they said would take off 1,000 copies an hour."

He wants to know if one can be bought and at what price. Please send us the information if possible.

Yours truly,

Western Electric Co.

Theuer

There was a press shown there = a party in NY got it up = it was a 1st Class thing = dont know address, pretty you can get name by looking over patents for press ~ E

1883-12-21

Electric Pen.

December 21st. 3

Western Electric Co.

62 New Church Street, City.

Dear Sirs:-

Will you please give your attention to the enclosed postal card in relation to an Electric Pen.

Yours truly,

Jas J

Enclosure.

1883. Exhibitions (D-83-066)

This folder contains correspondence and other documents relating to the Edison exhibits at the Southern Exposition in Louisville, Kentucky and at the International Electrical Exhibition in Vienna, Austria. Much of the correspondence is by Edison's associate, Miller F. Moore.

All the documents have been filmed except for duplicate copies of selected documents.

Jal.

29.

TOWN OF NICE

(FRANCE)

INTERNATIONAL EXHIBITION

OF

MANUFACTURES, FINE ARTS, AND AGRICULTURE

to be held under the patronage, and with the aid of the TOWN OF NICE, the State, the "Conseil général" of the Department dés Alpes-Maritimes, and the Nice Chamber of Commerce

1883-1884

GENERAL REGULATIONS

CHAPTER I

GENERAL ARRANGEMENTS

ARTICLE 1

An International Exhibition of Manufactures, Fine Arts and Agriculture will be held at Nice under the patronage, and with the assistance of the Municipality, the Government, the General Council of the Department, and the Chamber of Commerce.

ART. 2

The Exhibition will be open to all classes of Agricultural and Industrial products, as well as to Fine Arts, and Industrial and Antique Art, of France, Algiers, French Colonies and all nations.

ART. 3

The Exhibition willl remain open from December 1st 1883 to May 1st 1884.

ART. 4

A special circular will be issued, explaining the arrangements which have been made for receiving and returning exhibits.

ART. 5

All articles intended for exhibition must be delivered on the site, not later than October 15th 1883. After this date they cannot be admitted.

ART. 6

All exhibits must remain on view throughout the duration of the Exhibition, and nothing can be removed without the written consent of the Commissioners.

Art. 7

Exhibits may not be drawn, copied, or reproduced in any way, without the written consent of the exhibitor.

General views of the Exhibition can only be taken by permission of the Chief Commissioner.

Exhibitors who mark the prices of their exhibits, cannot refuse to sell them at the prices named.

CHAP. II

CONDITIONS OF ADMISSION

Art. 8

Persons wishing to exhibit must fill up, and forward to the Chief Commissioner, printed forms giving the following particulars :

1° Full name and domicile of exhibitor ;
2° Locality of establishment, and when founded ;
3° Nature and approximate number of objects exhibited ;
4° Their value ;
5° If these objects are of current or exceptional manufacture ;
6° The average annual production ;
7° Number and sex of work people ;
8° Average wages ;
9° Space required (horizontal or vertical, under cover or open air) ;
10° Patents granted to exhibitors ;
11° Prizes awarded at other exhibitions ;
12° Name of exhibitor's representative in Nice.

Forms of application may be had from the Commissioners.

Art. 9

Applications for admission must be sent in to the Chief Commissioner, not later than the following dates :

May 15th 1883 for France.
June 15th 1883 for England and the rest of Europe.
July 15th 1883 for all other countries, and French colonies.

Art. 10

To cover the expense of installation and the general decoration of the Exhibition, a charge will be made to each exhibitor per square foot of surface occupied.

This charge will vary between the following limits :

1° Principal building, horizontal surface	2s. to 4s.	Per square foot.
— — vertical —	1s. 2d. to 2s.	
2° Annexes. Horizontal or vertical surface...	9d. to 1s. 6d.	
3° Open air.....	4½d. to 9d.	

All exhibits which occupy a space of less than one metre (3 ft. 3 ⅜ in.) in depth, will be charged as if occupying the depth of a metre.

All exhibits occupying an angle, or standing isolated, will be charged for according to the total length exposed to view, multiplied by the depth, with a minimum of one metre.

Manufacturers who are authorized to make and to sell the products of their industry, within the limits of the exhibition, must pay, besides this tariff, a special tax, the amount of which will be fixed in each case by the Chief Commissioner.

These payments must be made, at the latest, two months after the opening of the exhibition. After this period has elapsed, all goods occupying space for which payment has not been made, will be removed.

Art. 11

Every exhibitor, by signing the form of application for admission, will be considered to have accepted all the conditions contained in these Regulations, more especially those of article 10, as well as all measures of order and safety which may be enacted by the Commission.

ART. 12

Exhibitors not domiciled in Nice must have the accuracy of their statements certified by the Mayor of the locality in which they reside, or in which their manufactory is situated; they must also name a correspondent in Nice. Goods must be sent carriage paid, at the sender's risk. The Commissioners will take steps to obtain from the railway and navigation companies considerable reductions on the prices of transport.

ART. 13

A Committee of reception will decide on the applications for admission, and goods should not be sent off till after the receipt of a certificate of admission.

ART. 14

Exhibitors who require **Water, Gas, Steam** or **Electricity** must state on their form of application, the quantity of water, gas, steam or electricity which they will need.

Those who require motive power must state the speed suitable for each apparatus, and the force which they desire to have.

Motive power will be supplied gratuitously in the machinery annexe, and in the **Gallery of work**. It must be taken from the main line of shafting, all intermediary shafting etc., being at the charge of the exhibitors, as well as foundations and any other expenses they may incur in setting up their machinery.

Water, Gas, Direct Steam and **Electricity** used by exhibitors will be charged according to the quantity used, and to a tariff which will be hereafter published.

CHAP. III

ADMINISTRATIVE REGULATIONS

ART. 15

No fulminating or detonating material, and generally speaking no material which may be considered dangerous, will be admitted into the exhibition.

Spirits or alcohols, oils and essences, corrosive substances, and any articles capable of causing damage to other exhibits or annoyance to the public, can only be received in suitable vessels of limited size. Fireworks, lucifer matches, percussion caps, and other similar objects, can only be admitted in the form of models, and without the addition of inflammable matter.

Exhibitors of products which are deleterious to health, are especially bound to observe the regulations for safety which will be enacted.

ART. 16

The Commissioners reserve the absolute right to order the removal of all objects which either from their nature or appearance may seen to them to be injurious, or incompatible with the general objects of the exhibition.

ART. 17

In the covered parts of the exhibition, horizontal tables, made according to a given pattern, and covered with a uniform material, will be placed gratuitously at the disposal of exhibitors who apply for them; but the expense of providing and decorating show-cases must be borne by the exhibitors.

The Commissionners reserve the right of prohibiting any decoration which may not seem to them to harmonize with the general arrangement of the exhibition, or to cause the same to be altered at the exhibitor's expense.

ART. 18

The Commissioners will take all possible precautions to preserve objects exhibited from damage, and to insure due care and proper inspection, but they will not be responsible for fire, or any other accident which may happen to the objects exhibited, whatever the cause or the importance of the same may be.

The Administration of the Exhibition will enable exhibitors to insure their goods on the most favorable terms.

ART. 19

After the closing of the Exhibition, exhibitors must remove their goods during the period fixed by the Commissioners; otherwise they will be warehoused at the exhibitors' risk. After six months they will be sold by auction, for the benefit of the Exhibition Fund.

ART. 20

The above rules, not being entirely applicable to Fine Arts and Antiquities, a special regulation will be issued with refererence to this class of exhibits.

CHAP. IV

JURY AND REWARDS

ART. 21

The Jury will be composed of at least fifty members, chosen from amongst the leading representatives of Science, Industry, Agriculture, and Commerce, in France and abroad.

ART. 22

The Jury will take all the precautions which they may consider necessary. They will have the right of excluding from competition any exhibitor who may attempt to impose on their good faith.

ART. 23

The Jury will decide the credit which may be due to directors, artists, and workpeople, respectively. These industrial co-operators will be comprised, if necessary, in the distribution of rewards.

ART. 24

The Jury will award diplomas of honour, gold, silver, and bronze medals, and honourable mentions.

ART. 25

The distribution of prizes will take place in the month preceding the closing of the exhibition. It will be celebrated with all possible splendour, and the greatest possible publicity will be given to the list of rewards.

Nice, February, 2nd 1883.

The Chief Commissioner,

FÉLIX MARTIN

SEEN AND APPROVED:

The Mayor of Nice, Deputy,
and President of the Committee of Organization,

A. BORRIGLIONE

NICE — PRINTED BY MALVANO-MIGNON, RUE GIOFFREDO, 62.

1883-06-18

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
205 Ny	A	Va	2 paid

Received at Cor. Lasalle & Washington Streets, CHICAGO, Ills. June 18 1883.

Dated New York 18

To Edison

51+53 Wab ave

Moore & Jay you undertook supply all material for Louisville & carry same except engines & dynamos is this so answer

Insull

13

1883-06-18

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
394	Cs	R	17 Collect 6 23

Received at 852 BROADWAY. June 18 1883.

Dated Chicago 18

To Same Insull 653 Ave

Did nothing of kind Bergman was to bid on fixing & we furnish dynamos your terms

Edison

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

No. 2. Exhibitions (1883-)06-25

WESTERN UNION TELEGRAPH COMPANY.

ALL MESSAGES TAKEN BY THIS COMPANY ARE SUBJECT TO THE FOLLOWING TERMS:

To guard against mistakes or delays, the sender of a message should order it REPEATED; that is, telegraphed back to the originating office for comparison. For this, one half the regular rate is charged in addition. It is agreed between the sender of the following message and this Company, that said Company shall not be liable for mistakes or delays in the transmission or delivery, or for non-delivery, of any UNREPEATED message, whether happening by negligence of its servants or otherwise, beyond the amount received for sending the same; nor for mistakes, or delays in the transmission or delivery, of any REPEATED message beyond fifty times the sum received for sending the same, unless specially insured, nor in any case for delays arising from unavoidable interruption in the working of its lines, or for errors in cipher or obscure messages. And this Company, is hereby made the agent of the sender, without liability, to forward any message over the lines of any other Company when necessary to reach its destination.

Correctness in the transmission of message to any point on the lines of this Company can be INSURED by contract in writing, stating agreed amount of risk, and payment of premium thereon at the following rates, in addition to the usual charge for repeated messages, viz: one per cent. for any distance not exceeding 1,000 miles, and two per cent. for any greater distance. No employee of the Company, is authorized to vary the foregoing.

No responsibility regarding messages attaches to this Company until the same are presented and accepted at one of its transmitting offices, and if a message is sent to such office by one of the Company's messengers, he acts for that purpose as the agent of the sender.

Messages will be delivered free within the established free delivery limits of the the terminal office—for delivery at a greater distance, a special charge will be made to cover the cost of such delivery.

The company will not be liable for damages in any case where the claim is not presented in writing, within sixty days after sending the message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

Receiver's No.	Time Filed.	Check.

Send the following message, subject to the above terms, which are hereby agreed to. } _____ 1888.

To ~~Prof. Max~~ W. Preston Esq
338 West 41st St. Cincinnati O.

3 Endeavor to procure Key
Arc Light. Sir
Kind being used indicate
it will spoil the effect which
will be beautiful, Arc Lighting
there is too much like a Bowery
Show entirely in bad taste.
5 Maxim Co. run their lamps
39

READ THE NOTICE AND AGREEMENT AT THE TOP.

Form No. 2. (1883-)06-25

THE WESTERN UNION TELEGRAPH

MESSAGES TAKEN BY THIS COMPANY ARE SUBJECT TO THE FOLLOWING TERMS:

To guard against mistakes or delays, the sender of a message should order it REPEATED; that is, telegraphed back to the originating office for comparison. For this, one half the regular rate is charged in addition. It is agreed between the sender of the following message and this Company, that said Company shall not be liable for mistakes or delays in the transmission or delivery, or for non-delivery, of any UNREPEATED message, whether happening by negligence of its servants or otherwise, beyond the amount received for sending the same; nor for mistakes, or delays in the transmission or delivery, or for non-delivery, of any REPEATED message beyond fifty times the sum received for sending the same, unless specially insured, nor in any case for delays arising from unavoidable interruption in the working of its lines, or for errors in cipher or obscure messages. And this Company, is hereby made the agent of the sender, without liability, to forward any message over the lines of any other Company when necessary to reach its destination.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

Receiver's No.	Time Filed.	Check.
		39 29 68

Send the following message, subject to the above terms, which are hereby agreed to. } _____ 1888.

To _____

5 up above candle power for
5 Mule and the public a chan
5 Every morning before opening
5 Changed the blackened lamps
5 We run our lamps at ~~the~~
5 the candle power we guarantee
1 purchasers
Edison
29

READ THE NOTICE AND AGREEMENT AT THE TOP.

1883-0

Form No. 1.

THE WESTERN UNION TELEGRAPH COMP

This Company **TRANSMITS** and **DELIVERS** messages only on conditions limiting its liability, which have been assented to by the sender of the follo. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or d. or delivery of **Unrepeated Messages**, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after s This is an **UNREPEATED MESSAGE** and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN,

NUMBER	SENT BY	REC'D BY	CHECK
114	Com	28 pd	

Received at ~~791 BROADWAY~~ 852 BROADWAY. June 26 188.

Dated, Louisville Ky 26,

To T A Edison 65 fifth ave

Contract settled as we want it except are Companies in building brown will call to see you or moore & settle that point may not call before tomorrow W Preston Hix

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

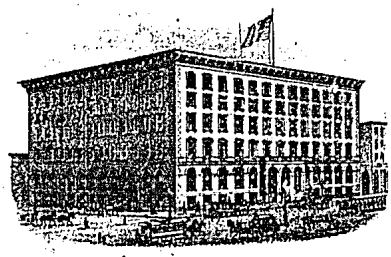
9.

June 26/36

W. P. Orth

Satisfactory
settling of contract

1883-07-02



Galt House.
LOUISVILLE, KY.

July 2nd 1883

Thomas A. Coleman Esq
Central Station Contractor
65 Fifth Ave

Dear Sir

I enclose you copy of a few extra menu forms in use locally which may want light of you when the time shall "determine" them as the information comes by hands to hand in the house. Should you succeed in securing an order for any one for all of them please signify by one communication I presume the information furnished is sufficient data to work

as I not give them
credit enough to gather
it.

There is a great deal of
plaster lying around the
respectable fort (this lump)
and if someone don't
taste a little I may miss
my guess of course
I have no reference to
any part of it

Hope to be home Friday
when I write you again

Yours Resp
Entomologist

30

July 2 '93
Allegheny Arsenal
n-the house in the
Arsenal yard

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK

Received at ~~791 BROADWAY~~ 852 BROADWAY. July 9 1882 3

Dated,

To

Shall I send Sprague
to Louisville to arrange terminal
of Systems See More
Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
112	Mt	V	2 paid

Received at ~~791 BROADWAY~~ 852 BROADWAY. July 12, 1882 3

Dated Louisville Ky 12

To Mr Samuel Insull 65 Fifth Ave,
Received No Above Have Wire
When Was it shipped by
Saturday we will have all
feeders Crip & Mains Up
Steeringer

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES. Steeringer

44

T. A. Edison
to L. Insull
July 9th 13

Form No. 1.

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This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
363	OV	W	15 pd	52/0

852 BROADWAY

Received at 791 BROADWAY.

Dated Louisville Ky 13 July 1882

To Mr M F Moore 65 fifth av

four hundred & seventy pounds of three this was ordered for Corliss feeder number five

Stieringer

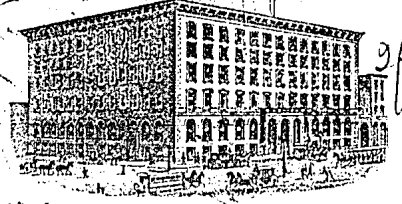
Order #100

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-19

Hutchinson = Royal Knox - anything about Rep. is Cable boxes for Louis 9/1/9



Girls' Home.

9 Frat Louisville Knox

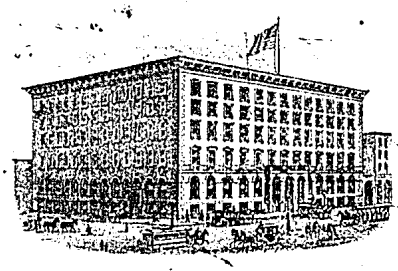
July 19 1883

Dear Cedric

The "gang" have got along with their work three fitters and mains are up and also night circuit are complete except fixtures which will be up as soon as the sockets arrive they have been ship to & have expected here tomorrow. Eight dynamos are pack ready to be here also engine for night circuit will get it in the foundation tomorrow and if they send goes we shall have it running by Saturday night we will be ready first night to

run of any in the building there is no "plunder" with us but any quantity with the managers. I can see there will be considerable to do on the 1st. Tag there is only one boiler a 100 h.p. now setting & it has no steam pipe connection to the building. the boiler to run our engines will not be ready for a week or ten days. I am sure we will be all ready and waiting for them. The business like way in which my men then got to work there has done us great credit and entirely removed all impression from the minds of the skeptical that we would make a failure. The M.E. people say they think we made a lot of

1883-07-19



Galt House.
LOUISVILLE, KY.

188

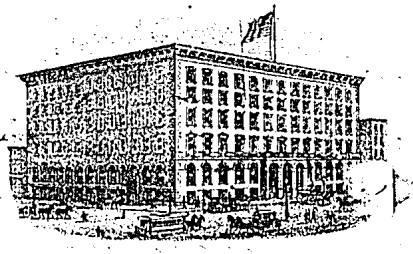
our business. I think we had
talk with the man who is
putting up the Corliss engine
he does not want them to
carry so much as 90 steam
as with other loads he thinks
his engine cuts off too
short he says his engine
is good for 60 to 70 strokes
but should practice
not take over 50 but fit
I said nothing to him
about how much power we
would require as he tried
find that out in time;
when he does he will
change his time about 90
pounds steam being too much

My opinion is that the men
there are the worst to do
& would rather carry more
steam than steam. They are
putting in a condenser
which they were going to
have back out in case the
go^n is not enough.
I do not know what you
expect to study for resistance
tables but as you represent
to me each day bearing
its own but it seems impossible
possible to operate them by
one theft as each day must
be controlled by its respective
load. I wish you would send
steam as low as possible
so that I can get them up

Yours Respy
Morse

To Thos. A. Edison Esq

1883-07-22



Galt House.

LOUISVILLE, KY.

Sunday A.M.
July 22nd 1883

My dear Edison

"Entomologist" is perched upon more banner strings one at the Exposition now they can start by 1st mail of a mystery to more than ~~Eu~~ Mr. Geo. W. Varley that steam on yesterday for the first time there being no water or steam connection to it feeling it would be time no other work is completed and no building over any of them. The steam drums connecting another boiler 20" dia is being made in Pa. the Corliss engine that has shaft built on yesterday the fly wheel weighing

Bishop's 50 tons and made in Sections they will commence putting up tomorrow. I am not hurrying them in this work as it gives us more time; if their boilers are not ready we cannot start.
Our work is all well along the roofing is about all finished and today Sunday all hands are at work on fixtures and top lines. The fixtures are all here except the "3 Lgts" which are on the road. There has been some little delay to the work in consequence of not receiving the fixtures still there has been plenty other work to do. I have got a large force of men and carpenters to work to day on frame for main shaft it will be finished and ready for pulleys by Monday night.

1883-07-22

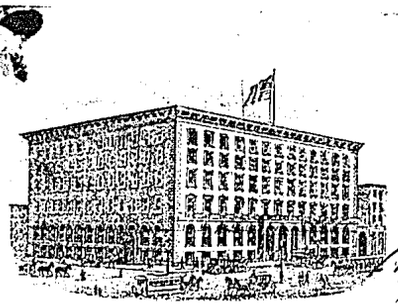
Galt House.
LOUISVILLE, KY.

188

Their driving pulley has not yet been finished it is being made here & they have had one by them perfect casting. The only engine yet ready to run is the Porter Allen but they are waiting for steam pipe. I could have had the 8x18 running yesterday if I had let them put up 2½" steam pipe which they had act out and pretty very before. I discovered it the boiler is about 110 ft from engine & with that pipe I could not depend upon pressure I am now putting in 3½" which is some enough

would prefer 4" but could
not possibly get it
I hope by next Wednesday to
determine concerning the depot
and the feeder. We would
like to have the plans and
such maps as you intend
to use for the purpose as
also the measurements Bryce
Stringer & Field have done a
good job and deserve credit
for it as have all the men
who came from Mt. Washington
Mr Johnson writes me how is
one of the best men for the
business I ever saw he is like
a cat climbing over head soft
from the floor and he gets
lots of work out of his men
he will make a first class
man for us otherwise he is
this class of work is a good
school for this man and is
a struggle to this office light

1883-07-22



Galt House.
LOUISVILLE, KY.

companies who have delegations
here every day watching the
work which has been stopped
waiting in as our work has
captivated the whole community. Prof Dupont told me
yesterday that the burning
like machine on wheels we
proceeded with our work &
the rapid progress we made
with it was entirely dismissed
from the minds of the Committee as fears or anxiety
that there had as to our
ability to do what we stated
we would. We believe we are
solid here and therefore is
more desire to see Edison

as they say, the man who
conceived and organized
this great business then
there is to see the Point of
the U. S. Where you come
here you will seem a
very flattering welcome
I hope everything may
start right while I have
no fears of it still I am
anxious there is much to
do and any failure now
might well be turned and
commented upon by our com-
petitors I will do my best
and should anything hap-
pen I must it will be no
fault of mine

Yours Truly
M. L. Brown

Thos. A. Eckers
N.Y.

Jan 28th/73
M. L. Brown
Q. C. Adams

1883-07-23

Galt House.

LOUISVILLE, KY.

July 23rd 1883

Dear Edison

The Electric R.R. Society of Chicago who are putting up the same plant offer that they need in Chicago are becoming very friendly & are beginning to talk firm of and such as wanting us to furnish main & machinery to run their lines & I might stop to you to purchase of you such 2000 wire as they may require and quite stops no encouragement that may could be any work for them I would

1883-07-23

Galt House

LOUISVILLE, KY.

1/2/

188

ask what your relations with them are and do you wish us to render them any service or association with them work. I beg to state that the first time the Mr. B. Jones brothers came here I gave them a space to exhibit incandescent lamps and another space to put dynamos to run these incandescent lamps as also there are lamps in the street. I gave them to understand that this running was to be done subject to our inspection and that we expected them to conform to the rules of Mr. Grant, Fire Underwriter and that they must put cut outs at dynamos and at every branch line. They have been going

encouragement to exhibition that they would furnish light with power to circuits as needed it and when they came to me to get permission to run their wires I gave them to understand distinctly that we did not propose to permit a foot of wire to be put up outside of the space devoted to them for this exhibit and also that their main from the dynamos must be run in a direct line across one of the open courts and not inside the building fronting

them any necessary to reach them. Thereupon Omoro appealed to the Dinangus who gave them to understand that they were without power to act further than carrying out the terms of the agreement made for such that no decision was contrary the meaning of the Pactum this Omoro has just stand in their fire and they owns obligation against us and that they tried but such a place of fight in the 1.40 x 40 space as was contrary the matter

Matters did not

Jim Ruff

Mom

The [illegible]
Company [illegible]
65 Fifth A[illegible]

1883-07-26

Louisville July 26 1883

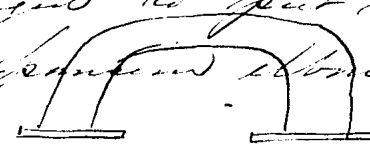
Dear Edison

Your wire 23rd relative to insulation bx at hand If the Corliss engine will be ready will connect the dynamos as you suggest I do not think the engine will be ready they have made a bungle with the main steam drum connecting in three bottoms of boilers with the Corliss and the engines which will delay the work the drum is about 60 ft long with outlets on the sides which do not come true for the steam pipes

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1883-07-26

New York, 188

and as no provision has been made for expansion I am obliged to put in a U pipe expansion about 10" like this  I got the all night circuit ready to run on Tuesday night but I found when I started the engine that the foundation would not hold her the next morning I dug down to the bottom of the wall and found the dirt had never been filled in behind the day and this was I had this place all tamped in hand and last night the

The Edison Electric Illuminating Company of New York, 65 Fifth Avenue. 3/

1883-07-26

New York, 188

begins raw much better I have secured up the foundation bolts 1¼ all around and I first placed the engine on the bed. the cement is good for nothing I am now digging down to the bottom of the other beds a matter three feet wide and am filling up with concrete mixed with Portland cement am also taking the wall down to floor line and rebuild them. I have got the dynamos for the A.B. circuit all up but not connected with mains I wish

The Edison Electric Illuminating Company of New York, 65 Fifth Avenue. 4/

1883-07-26

New York, 188

you would send Anderson out to help me as I have no one who knows anything about such work here also I am kept very busy with the mechanical part I have got my frame up for counter shaft for Corliss and half the piers for jack shaft government this morning to pull them down and rebuild with Portland cement as they had been up since last Sunday and the cement had not set a particle the mason who is doing this work is a "friend" of

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1883-07-26

5

New York, 188

master mechanic & yesterday
letter this morning from
Providence saying Lyons was
sick in bed and asked
one engineer would prob be
ship on Thursday the other
to Governor Sherman is getting
along well with his work
The E. E. people are running
their mains to their exhibit
this than a 20x20 space &
expect to put in 150 lamps
We light up the "big organ"
on Saturday night from our
air night circuit concentrator.
30 lamps there, it is expected
that a large number of

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1883-07-26

6

New York, 188

people will be here to
hear the rehearsal of the
Chorus we will not run
any lamps at retail fearing
the space number on this
night circuit might mislead
the Commission to
think we would make a
failure

Hope you can read this
as my hands are so sore
I have hardly held a pen
would be glad to see you
as it seems a long time since
I left home Regards to
Mr Johnson & Francis

Yours Rich
Mr. J. Moore

30.

July 26 1913

Mr. F. Moore

re-the situation of resistance boxes

Referred between
Mr. Moore and
Dr. Ellis

1883-07-26

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
R176	ra	gpo	2059

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, July 26 1888.

Dated Louisville Ky 26

To Thomas A Edison

65 Fifth Ave ny

When will the plug connection to feeders be shipped

M F Moore

1883-07-29

Form No. 44.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Night Messages, at a reduced rate, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within thirty days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
B31	pc	my	33 Paid Nite

Received at the WESTERN UNION BUILDING, 195 Broadway, New York, July 29 1888.

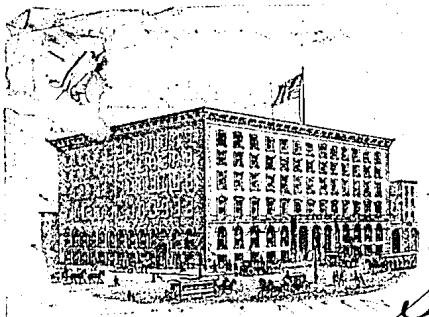
Dated Louisville Ky 28.

To Thomas A Edison 65 5th Ave ny

Will probably get four machines running from Corliss engine wednesday night lighted music hall tonight for choir rehearsal grand success would be glad to see Johnson at any time Can keep him busy

M F Moore

1883-07-29



Galt House.

LOUISVILLE, KY.

Sunday July 29th 1883

Dear Edison

Jones of the Eq. came to town yesterday. At this time it is impossible to say just when we will start as there is so much yet to be done. If the Dyn. engine were set up we could start six dyn. as all the work for them is completed except connecting machine to feeder. Bergmann and one assist. are doing plug connections which I do not know the end of. Garrett figured out they have a plug fuse enough to carry 500 lamps but the binding posts will not take a #10 wire they

certainly are not intended for fresh plugs as the fixtures could not be connected with them I have written Bergmann to explain this and I suppose you will say more about plugs but I cannot help it they are the only things that bothers us yet. we tested out yesterday and everything is O.K. we finished up fixtures today in the art gallery. The Corliss engine is not yet connected up the engineer says if we were all ready he would not run our boiler chimney as he makes to take a few days to limber up before putting a load on and he is about right I encourage him in it as I hope to get my D.D. engine started ahead of time

We have been running the

Gilt House.

LOUISVILLE, KY.

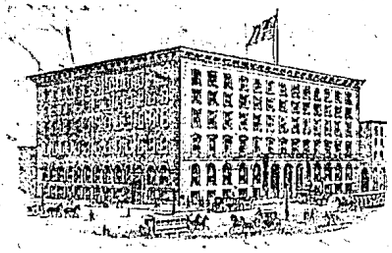
(2)

188

all night circuit for the past three nights till midnight you would be surprised to see how we 220 lamps light the entire building workmen are at work in all parts of the building fitting up their exhibits my impression is that one half the number will be sufficient to light for the watchmen. There was a rehearsal last night in the music hall so we turned on of our all night feeders to mains and lighted the hall with about 80 lamps there was about 1000 people

present I kept the light back until it became quite dark when I started up this effect was just what I wanted the lamps came up bright lighting the place elegantly we have gone a client and throughout the evening the lamps performed as free as we could wish demonstrating conclusively that with 4000 lit the building will be a blaze of light. The plant was visited during the evening by a number who expressed great surprised when they found so small an engine to light the building as it was. Where do you expect to be here I hope before I leave would be pleased to see you I could make very good use of Mr. Andrews while I come to start as the

1883-07-29



Galt House.

LOUISVILLE, KY.

131

188

dynamo machine will give more or less trouble. I see by the shafts for the revolving boxes that the intention is to put four boxes on each shaft for the Corliss engine and three on each shaft for the H.S. engine would it not be better to have only two boxes on each shaft ~~carrying~~ the dynamos in series of two. I found on unpacking the magnets that one box had been injured there being three layers of wire cut we unwound it and spoiled the wire winding again I would suggest an

items for defect book that
is I found great difficulty
in getting the enamel cloth
and canvas coming off
as it was glued all around
and stuck very fast could
not the canvas be glued
only on the edge as also
the enamel cloth it took
at least an hour to remove
it besides running a risk
of injuring the wire the
machines all arrived in good
shape being securely packed
it has been a big job setting
up the first day it took
us all day to get up one
machine yesterday we got
four. the only help we can
get is niggers who do not
know a monkey wrench
from a hammer the only
thing in their favor is they

1883-07-29

Galt House
LOUISVILLE, KY.

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are strong. if their whole
strength could be applied
to lifting each one ought
to lift a dynamo but I
am sorry to say a part
of their strength is absorbed
by ones ~~[illegible]~~ nose and clothing
I find at night I am
obliged to put on clean
clothes throughout I am
so strong. the whole building
is a pandemonium every
fellow and hankering to
get strength very day some
fellow gets hurt by some
thing falling from overhead
and it keeps a fellow with
one eye looking up all the

time a scaffold about 20 ft high with a dozen niggers fell a day or two ago blasting there under it much worse than there was on it.

I suppose this letter is quite long enough but as I have about beat it I don't care will close by asking to be remembered to the gang

Yours Truly
M. J. Mann

Would be pleased to have Mr Johnson here whenever he can come as his services in starting would be valuable as he has had much experience with the electrical part and I anticipate some trouble in the mechanical

Mr. Johnson
Mr. Mann
July 29/83
Mon

1883-08-02

MEMORANDUM

EXECUTIVE OFFICES OF
The Commercial Telegram Co.,
EQUITABLE BUILDING, 120 BROADWAY,
New York, Aug 2 *188* 8

To Thos. A. Edison Esq.
65 5th Ave

My dear Edison:

Pac telegraphs me that your people at the Exposition at Louisville have made a row about the wires for the Electric R.R. being carried through the building – Claiming exclusive right for wires of all kinds – Wont you please telegraph them to call off their dogs & help us instead of pulling the wrong way.

Yours truly Stephen D. Pull

Mr August 2nd 18
Stephen D. Field
Re-Lines for
Electric R.R.

Mr. Edison

Telegraph Messrs Lee

Better let Monterey people run their
wire, if they put no signs on Western
Properties or have any changes —

Edison

1883-08-02

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. 465 NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
8	Dr	dr	103 Paid

Received at 791 ~~852 BROADWAY~~ 852 BROADWAY. Aug 2 1882.

Dated, Louisville Ky

To Edison. 65 - 5th Ave Nyc. — Opened with Corliss two dynamos on main system small Armington one dynamo on night circuit five display Thousand Lamps no bugs in wiring or or fixtures. Some trouble from Big engine and main belt and from low but everybody happy - Fields & Regulators heated almost to

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

NUMBER	SENT BY	REC'D BY	CHECK
852 BROADWAY.			

Received at 791 BROADWAY. Aug 2 1882.

Dated,

To burning point with load three fifty each speed nine hundred full incandescence fields in six multiples armatures - perfectly cool. Is this field heating not wrong - Will tomorrow multiply regulators and keep some resistance in. Will also try fields in three multiples and run full speed what else do you suggest will run

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

NUMBER	SENT BY	REC'D BY	CHECK
852 BROADWAY.			

Received at 791 BROADWAY. Aug 2 1882.

Dated,

To. four Machines to morrow.

E. H. Johnson

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

1873-08-03

The Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
5	W		37 Pd

Received at 752 BROADWAY.

Aug 3 1882.

Dated Louisville Ky 2

To Edison - 65 = Save my

Tried three multiple today finding it OK ran from machines tonight first class results in every respects as nothing more can be done until pulleys or armingtons arrive I will leave for home tomorrow friday evening

This telegram has just been received at the office in 701 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

E A Johnson

53 Löwengasse a III
Vienna Aug 4th 83

Thomas A Edison Esq
New York

RECEIVED
AUG 21 1883
ANSWERED

Better let them use the safety catch as a fire wamed thing. Why dont our people enter suit & stop Gang with his Swan infringement are our patents no good

FILE No.

My dear Sir I should like to call your attention to the fact, that all the minor electric light Companies now existing, and who are exhibiting here at the Vienna electrical exhibition are using our principle regarding the cut-out or safety catch. They all state with frankness that it is indispensable to a system of lighting, and add that you have no patent for the same. Now your austrian patent of January 11 1882 (set 24 No 149) covers the principle and device. Your English patent of 11 august 1881 also protect it. Yet in London a (fel-low) named Killingworth Hedges is making safety catches and selling them to electric light Companies; It would be a great thing for you should you stop these people or rather the companies that hold your foreign patents. Its a hard crowd, these folks over here, and they will make anything they see of an other ~~p~~ mans patents. This man Gang who is lighting up the Theatre here at the

exhibition use them (the safety catches) all over. He has about 900 swan lamps and has ~~laid~~ laid a cable of 35 m/m in diameter. The United States folkes uses them also, so do the Brush. Our show here is not so large but its going to be a solid one. I have one K one Z and a Z machine. I have the "Restauration", winter garden" and some show rooms lit light. The way matters look at the exhibition now I think it will be completed about the 1 of Sept. although they contemplate to open it by the 16th of this present month.

Regarding the safty catches, you of course agree with me, that we employed them in the early part of 1879 and that our experiments did not only extend as far as lead & tin for the application, but that we made at the laboratory safty catches of all ~~a~~ sorts of metals and alloys. I have written to the Soc. Electrique Edison about the matter and am awaiting their answer. There was another lad come to me yesterday and told me that he had a man who has got out a patent for the application of the safty catch in armatures and wants this man to take it. I told him that was nothing new, and that

you had made that long ago; I have met Mr Biedermann here, with his accumulators. He speaks very highly of you, and always protects the Edison light when in conflict with others. He told me that Shiny (you know the little dutchman he brought over to America and was at our laboratory) went out of his service and went with another electric light firm, that made your machine, but had the armature in the middle. They put up a large installation and when it was finished Biedermann told the Soc. Electrique Edison who then marched down to the plant with two "agents de police" and collaid the whole affair and carried it away to the mayor of the town for keeping.

With my best regards to yourself

I remain

Yours Truly

Francis Jehl

Aug. 4 1893

Francis Jehl
Engineer
Vienna Austria

10

Send to Mr. Gilson 1883-08-05

RECEIVED AUG 7 1883 ANSWERED

Galt House.

LOUISVILLE, KY.

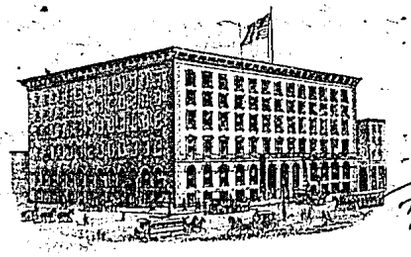
No.

Aug 5th 1883

My dear Edison

The four machines from Corliss engine are running perfectly. Running each lamp spent 1150 after running three hours with about 1350 lamps there is no perceptible heat in the armatures. the magnets in three multiples are much warmer than any machine I have ever seen but not alarmingly so. We have made the arc light people who are lighting the outside very unhappy particularly at the main entrance where we have placed the 15 lamps

1883-08-05



Galt House.
LOUISVILLE, KY.

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embrellas as the effect from the arc lamps are not at noticeable and last night Mr Janney himself had his wife running and turning his lamps to see if she could not overcome the yellow ray but to no purpose and he at one time had two arc lamps burned on the same plane with one not ten feet from it and you could not think his lamp was hit so far as it had any effect on the illumination after leaving it on that position for a few minutes he raised it up with a look of perfect disgust stamped on his face I had two members of the committee with me watching the performance My opinion is that the arc lamp business will get such a black eye here that it will entirely but this argument still for lighting large areas it is superior now what the Edison Co should do when we get running in good shape would be to invite a competition and have it written up by scientific men I expect to get the votes from machines running in Central Circuit about the middle of the week, no N.S. engine yet

Yours Truly
M. T. Mason

34

August 5th/83
H. M. Doubleday
re Louisville
Exposition

1883-08-05

Louisville Ky.
Aug 5th 88.

Samuel Insull Esq.
Dear Sir
Enclosed
please find expense
sheet. The plant
here is running in
fine shape so far
as it goes. The
Engines from Armington
and Sims have not
yet arrived, and also
pulleys for four dynamos
on the Corliss Circuit
some 1500 lamps are in
use each evening making
adequate light as the
building is not full

by half, and will probably be incomplete until the first of next month.

Address letters to Louisiana Exposition C/o Edison Elec Light Co. there is a branch P.O. in the building

Yours Truly
H. M. Holliday

1883-08-08

The Edison Company for Isolated Lighting
of New York

VIRGINIA AGENCY.

11 NORTH TENTH STREET
Richmond, Va.

Louisville Ky Aug 8th 1883

Dear Edison

I have had another till work the U. S. Bond. the guilty commenced running an arc light circuit thro. the building commencing from the outside working towards the dynamo, not said nothing about it until they had secured bond. fact is when I made a written protest to the managers who were at the time in session they immediately ordered their own men under protection of a police force to take the wire down, the next morning the U. S. Manager with his men who was sent out from N.Y.

came after us with the war-
rant on demanding to know
why the wires were extend down
and wanting us to say where
they should be placed. I told
them once they presumed to
run their wires without any
consultation with me whatever
and in doing so they had broken
faith with me. I did not pro-
pose to permit them to place
another foot of wire in this
building anywhere if they wanted
to reach any of their tenants outside
they must run their wires
over the building. As to why the
wire was taken down it was a
question they must discuss
with the managers as I had
pursued the only proper course
which was when I found there
was anything being done in

1883-08-08

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY. 11 NORTH TENTH STREET.

~~Richmond, Va.,~~ 188

violation to our contract now to enter a protest. And I would ask them to understand distinctly that we were not exhibitors but that we were lighting this building for money and did not propose being interfered with by any exhibitor. The U.S. people have made themselves very obnoxious to the managers who are disgusted with them.

I hope to get the other four machines running on Certain circuit this week. I suppose Johnson has explained the cause of delay. Please send this letter to the Respondent having one the trouble of writing him.

Yours Resp Morris —

1883-08-11

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY.

11 NORTH [illegible] STREET

~~Richmond~~, Va. Louisville Aug 11th 83

RECEIVED
1884

FILE NO.

Saml Insull Esq.
Dear Sir
Your letter noting amount Credited me is at hand. There is an error of $1.35 fare to Sunbury from Williams Port. as expenses which if added will make the amount correct. Please send check as soon as convenient - We run two more dynamos on the Corliss Circuit this evening increasing the load to twenty one hundred. placing some 300 in the Art Gallery which will be open for the first time this evening. One A.C. Engine has arrived and will be running Monday evening

I find that the Pressure indicators vary considerably an adjustment of ten degrees necessary in one. I find for a 3½ hour run that 375 lamps on a dynamo is a very heavy load, requiring much attention to the brushes. The machines all run nicely & are in fine condition — We use the babbit sleeves entirely

Yours Truly
H. M. Doubleday

August 11 1893
H. M. Doubleday
Re: Louisville
Exhaustion

1883-08-13

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY.

~~Richmond, Va.~~ Louisville Ky, Aug 13th 1883.

Thomas A. Edison Esq
Dear Sir

Yours of 9th rec'd. to Doubleday is just at hand and in reply would say I thought he was to remain here during the 100 days I have been spending considerable time with him explaining what I wish him to know relative to his duties &c. Had I known at the start that you needed him in so short a time there would have been no occasion for sending him here. if you permit me to take him away please give me a telegraphic notice as his place must be filled. I hope to get away from here the week I will get see the Carbon Lamps

running by Wednesday. They are now putting up the fittings for the sconces which will complete one side of the crib. I ran six machines on Saturday and it is a pleasure to know how nice they work. No heat or sparking such a full load of about 400 lamps each I have got the pressure indicators attached at the mains (omnibus) they show 100 V. which brings all the lamps well up. I cannot observe any drop in the building there may be some in the art gallery we put an indicator on to-day and test there is no mistake about it but the art gallery looks nice with the 350 lamps in it. The railroad people are in trouble their unfortunately got their plant badly the day it rained and the elements were against them they have a train of two cars but side tracked one and

1883-08-13

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY. 11 NORTH TENTH STREET.

Richmond, Va., 188

Started with a small number from in the office, a member of the machinery committee told me they had to get off and push the thing up hill home. They have since had better luck but dont run but one car. The U.S. people are continually barking under our heels.

I had the shakes on Saturday & am now filling up on quinine this is a good country to leave this.

Yours Resp.
Moore

1883-08-17

August 17th 83
Mr. Moore
Mr. Doubleday
Information

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY. 11 NORTH TENTH STREET.

Richmond, Va., Aug 17th 1883

Thomas A. Edison Esq
New York

AUG 20

Aug 21 1883
FILE NO.

Dear Sir

Yours of 15th at hand I do not think it possible to get a man here to take Doubledays place. I will see when I get home who we have that I can send out. We had a bad burn out last night at a switch just as we started up, it seems the switch and through the fuse in the switch was in perfect condition the binding screws on the same side burning off. I found the fuse to damp from moisture it had the resemblance of paste board. I had a man go over all the switches and

give them a thorough coating of shellac which I hope will prevent a recurrence of the trouble. Fortunately no one saw it and when we shut down we took care of it. It burned out both plugs. I got me Armington engine running last night would have another one bought but was delayed by pipe fitters. Everything is running first class. The U.S. started up their incandescent lamps last night at Free Spark the effect is a disappointment to them and the criticisms by the public are not in their favor. They are rearranging them today. The pictures arrived previous to the frame I fully appreciate your sympathy. Hope to get away from here early next week.

Your Ruff

Morse

1883-08-21

August 21st 83
Mr. Martin
Mr. Northern
Mr. Preston

The Edison Company for Isolated Lighting
of New York.

VIRGINIA AGENCY. 11 NORTH TENTH STREET.

Richmond, Va., Aug 21st 1883

Gentlemen we are having a hell of a time with the Regulator of 14X13 Engines at Central station
Dear Edison
They do not seem to be able to fix it you better warn simo
that he should give it his personal attention
I mean not yet get the second engine running until or then his Engineer will get a bad black
board since I have it tonight. the
Eng. as we are using large No of 14½X13
engine has been all nicely since
last Wednesday 15th but waiting for
a valve in exhaust pipe that I took
the precaution to see at Jules, & I
wanted it. I am very much bothered
for steam. they have boiler capacity
enough but the wood not carry the
pressure there has been no time when
I have had more steam 85 and most
of the time not more steam 70 and as
low as 60 I intend a protest yesterday
with the committee and at their meeting
last night I was before them and de-
cided the question it resulted in steam

ordering the Babcock & Wilcox 220 h.p. and the Lane & Matson 220 h.p. boiler detached from the main steam pipe and attached to mine giving me a pressure of 100 lbs they are to commence at once to make the change but their way of doing work is such that unless I stand over them there is no guarantee of it ever being done consequently I cannot get away from their work. The regulators with the A.S. engine is very bad smoke so the spirals fall off so much that the revolutions are not hardly kept the lamps to measure are the Edison Cement work splendidly the revolution boxes are never touched unless a plug goes out the turning off of 25 lamps on a circuit with four machines requires a change in revolutions I do not expect the A.S. cement to work so well

Yours Resp.
M. P. Moore

1883-08-25

53 Löwengasse III
Vienna

Aug 25 1883

Thomas A Edison Esq
New York

OK

My dear Sir

The exhibition is open, and our light takes them all, which you can see from the opinion of the two leading newspapers of vienna which I have sent you, Everywhere you go, the folks say the Edison light is the best. I have more people at our machines than any other exhibitor in the whole exhibition. I had a large table made upon which I put about 25 of the lamps in pretty stands and connected with switches so that the public can turn them off and on at will, and the whole day they are here putting them on + off. I have on this ~~tabl~~ table 100 candle power lamps, 32, 16, 10, 8, 4, then different colors of lamps, and it takes the public well. I have Biederman around here the whole time, and when I have my back turned

he begins to boast, he is very fond of remarking to strangers when "Edison and I" working on this, and also in telling people ~~tal~~ that he hails from Menlo Park. This I have heard from strangers for he would not tell or say such a thing in my presence. He might have the gall to write to you the success of our exhibit here is due to him &c. Then another thing I wish to ask you he tell people that you wanted to go with him into his accumulator business &c. and that you express your opinion as being the best, Let me know as I am acquainted with all the people in Vienna here, and the different exhibitors also. Then the greatest joke he gives himself off as an "American electrician." The firm of Gaulz and Co, here have a very large machine having an armature of 3 meters in diameter and they have so far not begun to work yet, although everything looks completed. I suppose its a ~~ma~~ fine machine but it dont work. I shall write soon again ~~abo~~ about things. Excuse my writing as I am in haste With kind regards I remain. Yours truly

Francis J. B.

Form No. 1.

THE WESTERN UNION TELEGR.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have
Errors can be guarded against only by repeating a message back to the sending station for comparison, and the com
in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the
after sending the message.
This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named ab
THOS. T. ECKERT, General Manager.

No. NUMBER	SENT BY	REC'D BY		CHECK
55	Au	Cm	9 Pd	

Received at **852 BROADWAY.**

Dated C Louisville Ky Aug

To Edison

65- 5 ane

Entire plant running last night & one for Cincinnati tonight

M. F. Moore

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Aug 20

M. F. Morse
to
T. A. Edison

1883-09-08

The Edison Company for Isolated Lighting
of New York.

KENTUCKY AGENCY.

338 WEST MAIN STREET.

Louisville, Ky., Sept. 8th 1883.

Thos. A. Edison Esq.
Dear Sir.

Sep 10/83
FILE No.

I received a letter from the Secretary of the Ohio Company offering me a position with them promising good terms &c in reply I sent a copy of the enclosed letter which I consider consistant with the facts. Should the matter come to your notice by other means. You have the facts as far as I am concerned before you.

Please give me your opinion of my actions in the matter.

The new office will be opened this evening and it will be a

marvel of beauty in every way
consistant with our entire display
The engines and dynamos all
run nicely in fact the
whole institution is a great
success. I shall be glad to
learn of my movements as early
as possible whether I am to
remain here during the whole
term or not. And I still more
anxiously await my Pay Check
and expense money as I am now
living by the kindness of my
friends With many Regards
I remain
Yours Truly
H. M. Dowlidy

[ENCLOSURE]

ADDRESS 1883-09-05
No. 11 NORTH 10th STREET
LYNCHBURG, VA.

Louisville Sept 5th 83

R. Stuart Esq.
Secy Ohio Co.

Dear Sir

Your favor of the 3rd inst is at hand. I do certainly remember meeting at Sunbury last July. In regard to the business of your letter I would say that I think that such communications should go to Mr Edison as my position is directly under him and to accept of your offer without his direction would not be policy on your part or my part either, I would be counselled with Village Plant business I know that Mr E is very particular especially in regard to who shall fill such positions as I have at present. As to what the arrangements are in Ohio of course I am ignorant but I have understood that all Village Plants were to be installed by

[ENCLOSURE]

Mr Edison Construction Co. I should be very glad if you would write directly to Mr E. in the matter and I shall of course abide by the orders received from him. In regard to recommending a man to you that will meet all the requirements I honestly cannot. Men who have had experience and who have ability required to go right ahead are not cheap men.

I am sorry that I cannot help you in a more definite way as I am very much interested in your Company and wish you and it every success. I am sure that a meeting with you would be of more advantage to both of us, and if you or any of your people are coming to Louisville I will meet you or if possible I will come to Cincinnati some Sunday. As far as the work in Louisville is concerned I am bound by the Drolene Co. only and may be relieved within a week or so to go back to Central station business.

Thanking you heartily for your consideration I remain &c.

Yours Truly

Exhibits 1883-09-18

Internationale Electrische Ausstellung
Wien 1883.

Directions-Comité:
I., ~~Wallfischgasse 9a~~
Rotunda

Wien, 18 Septembre 1883

Dear Sir,

Very sorry to understand from your letter that you do not intend to come to our International Exhibition where your machines & your system take so honorable a place, I feel obliged to express the general regret of your absence.

Your lecture would have been the luminous point of our Exhibition.

Allow me to introduce to you in the bearer of this letter Mr Harry Fritz, a solid workman, who would be most happy to work under your direction.

Most respectfully
Yours

the Secretary of the Lecture-Comitee

Friedrich Wiesner

1883-10-051

OK

CINCINNATI EXPOSITION

RECEIVED NOV 7 1883 ANSWERED

CINCINNATI, O., Oct. 5, 1883.

THE CUMMER ENGINE CO.,

Cleveland, Ohio.

FILE No.

Gentlemen:

Being the juror of the Electric Light tests who made all the observations on the behavior of your 16 x 36 in. Automatic Cut-off Engine, driving the Electric Light machines during said tests, I am glad to say for your information that I had occasion to take a great many diagrams from your engine, and to note the general performance of your engine as to uniformity of speed, etc., and I am pleased to say that the behavior of your engine has been all we could desire.

We had, on several occasions during the tests, to throw off a load of 20 H. P., instantaneously, and on as suddenly, and the variation in the speed was only a small fraction of one per cent.

The total load on the engine during the tests was 124 H. P., and when the whole load was thrown off the increase in speed was only 2 1-2 per cent.

I am, gentlemen,
Yours truly,
(Signed), WALTER LAIDLAW.

WM. MYLES, Agent,

SOUTHERN EXPOSITION,
LOUISVILLE, KY.

JOHN HILL, Civil and Mechanical Engineer. 1883-10-15 C. GUNBY JORDAN, Treas. Eagle & Phenix Mfg. Co.

SOLE AGENTS FOR
GEORGIA,
NORTH CAROLINA,
ALABAMA,
FLORIDA.

EDISON INCANDESCENT LIGHT.

Agency for Cotton States

FOR ISOLATED LIGHTING.

AGENTS FOR
TENNESSEE,
MISSISSIPPI,
LOUISIANA,
ARKANSAS,
TEXAS.

HILL & JORDAN,

Estimates made for Complete Plants.

Louisville Ky ~~Columbus, Ga.~~ Oct 15th 1883

Thos. A. Edison Esq.

RECEIVED
OCT 18 1883
ANSWERED
Oct 18th 1883
FILE NO.

Dear Sir

Your favor of the 11th inst is at hand I went at once to the office of the City Engineer and saw the City map and received from him the required information viz distance between Oneby & Weisinger avenues on 4th St. 479 ft & 2 inches Width of N. ave 50 ft. and between Weisinger ave and Magnolia Ave 774 ft. & 6 inches Width of latter ave 40 ft. You will see by the map sent by this mail that Lawrance St is on the 3rd St side not running to 4th St – This part of the City is not settled at all, a house here and there only

JOHN HILL, CIVIL AND MECHANICAL ENGINEER. 1883-10-15 G. GUNBY JORDAN, TREAS. EAGLE & PHENIX MFG. CO.

SOLE AGENTS FOR GEORGIA, NORTH CAROLINA, ALABAMA, FLORIDA.

EDISON INCANDESCENT LIGHT.

Agency for Cotton States

FOR ISOLATED LIGHTING.

AGENTS FOR TENNESSEE, MISSISSIPPI, LOUISIANA, ARKANSAS, TEXAS.

HILL & JORDAN,

Estimates made for Complete Plants.

~~Columbus, Ga.~~ 188

If further information is wanted let me know and I will gladly attend to it. I find the electromotive force at the end of the feeders as follows. Corliss Crib No 1 – 102 strong
No 2. – 102 No 3. 98. No 4 99 &
No 5 100 Pressure at dynamos. 105
of course I used the pressure indicator as sent from Bergmann I think that it records very nearly the right thing. The lower volt lamps are used at the further points so that the drop does not make any radical difference in the general effect – I have nothing new to report in regard to the working of the plant. "all is well".
I send by this mail a photograph will you kindly embellish it with your autograph and return it to me Please send on my salary and allowance money as soon as.

JOHN HILL, Civil and Mechanical Engineer. 1883-10-15 G. GUNBY JORDAN, Treas. Eagle & Phenix Mfg. Co.

SOLE AGENTS FOR
GEORGIA,
NORTH CAROLINA,
ALABAMA,
FLORIDA.

EDISON INCANDESCENT LIGHT.

Agency for Cotton States

FOR ISOLATED LIGHTING.

AGENTS FOR
TENNESSEE,
MISSISSIPPI,
LOUISIANA,
ARKANSAS,
TEXAS.

HILL & JORDAN,

Estimates made for Complete Plants.

Columbus, Ga. 188

Possible as I am again sorely pressed.

Yours Truly
H. M. Doubleday

Form No. 1.

1883-10-27

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
3953	Ly	N	18 pd

Received at **852 BROADWAY.**

Oct 27 1888.

Dated Louisville K 4 27

To Thos A Edison

65 = 5 Elve

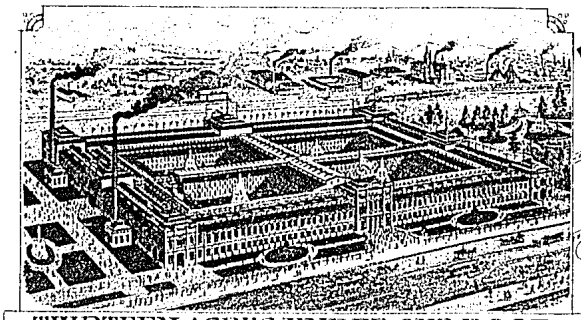
Data called for sent yesterday today the owner refuses to sell other data & particulars by today mail W Preston Alex

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-05

B. DU PONT, Pres't. Southern J.M. WRIGHT, Gen'l Mang'r. J.H. LINDENBERGER, Treas'r.



THIRTEEN ACRES UNDER ONE ROOF.
MAIN BUILDING 900 BY 600 FEET.

Louisville Lith. & Engraving Co.

THE Southern Exposition, AT LOUISVILLE, KY.

OPENS AUGUST 1st 1883 AND CONTINUES 100 DAYS.

November 5th 1883.

Saml Insull Esq.
Dear Sir
Your favor of the 3rd inst. and package of questions are at hand. I will fill them up and return them as soon as possible –
I can leave here Monday next. The jury have about finished their tests, we have no report as yet.
Yours Truly
H. M. Doubleday

1883-11-08

The Edison Company for Isolated Lighting
of New York.

KENTUCKY AGENCY.

398 WEST MAIN STREET.

Louisville, Ky. Nov 8th 1883

Thos A Edison Esq
No 65 Fifth Ave N.Y. City

Dear Sir:-

I enclose the blank filled up as good as I can make it.

When your letter came I was in the midst of a contest with the Exposition Managers. They brought a bill of $200.00 against us and I would not allow it as it was unjust. I notified them that I would stand a suit and that I would shut down the plant if the claim was not withdrawn in 24 hours. They withdrew the claim and now everything goes on lovely

I hope the information will be satisfactory

Yours Truly
W Preston Hix

Form No. 1.

1883-11-10

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
394	Ar	W	10 Pd	506

Received at **852 BROADWAY.** Nov 10 1883.

Dated Louisville Ky 10

To Sallie A Inull

65 5th ave.

Have rec'd no advice shall

I leave for newyork Monday

A M Doubleday

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

1883-11-12

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
389	Co	h	572	507 pm

Received at **852 BROADWAY.** Nov 12 1883.

Dated Louisville Ky 12

To Thos A Edison 65 5th ave

Leave louisville Monday three pm

A M Doubleday

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-23

Commercial Telegram Company.

OPERATIVE DEPARTMENT: WELLES BUILDING,

No. 18 Broadway,

FRANK B. RAE, Superintendent.

New York, Nov. 23d 1883

Mr. Thos. A. Edison
#65 Fifth Ave. City

Dear Sir.

I am authorized to sell for a/c. of the Electric Transportation Cy of the Louisville Exposition about 4000 ft. of #0000 copper wire drawn by the Electrical Supply Co. Will your Company make offer for same delivered at any point desired between Louisville & New York

Respy Yours
Frank B. Rae

1883-12-13

Commercial Telegram Company.

OPERATIVE DEPARTMENT: WELLES BUILDING,

No. 18 Broadway,

FRANK B. RAE, Superintendent.

New York, Dec 13th 1883

Thos A. Edison

We will give 17 cents — Construction Dept

65 Fifth ave N.Y.

In reply to your favor of 27th ult regarding copper wire, I will name Twenty one cents per pound delivered in new York or at any point you may designate where the freight rate from Louisville Ky does not exceed the New York rate —

This wire was received from the Ansonia Co. about Aug 1st 1883 and carefully put up at the Southern Exposition, all under cover, The joints were made with couplings, The wire was carefully taken down and is in first class condition — This dilatory

1883-12-13

Commercial Telegram Company.

OPERATIVE DEPARTMENT: WELLES BUILDING,

No. 18 Broadway,

FRANK B. RAE, Superintendent.

T. Edison

New York, _____ 188

reply has been occasioned by inquiry as to its condition since I last saw it —

May I hear from you at your earliest convenience and with instructions for shipment if possible —

Yours Truly

Frank B. Rae

(1883)

MEMORANDUM

EXECUTIVE OFFICES OF
The Commercial Telegram Co.,
EQUITABLE BUILDING, 120 BROADWAY,
New York, _____ *188*

To _____

My dear Edison. [illegible]

Rae telegraphs me that he has sent you an order for 4000 feet #0000 Cop wire. He wishes to know if you have shipped it, if not I will do so...

Truly yours.

Stephen D. Field

1883. Insull, Samuel (D-83-067)

This folder contains correspondence and other documents relating to Samuel Insull's role as Edison's private secretary, along with occasional items pertaining to his private life. Letters addressed to Insull in his capacity as Edison's secretary or representative that do not fall under the main subject categories are generally filed in this folder. Some of the documents for 1883 concern the installation of central stations. Numerous other letters addressed to Insull, which relate to a specific subject or to the business of a particular company, can be found in their appropriate subject folders.

All documents that provide significant information about Edison or his companies, along with a few significant pieces of Insull's personal correspondence, have been filmed. Routine correspondence relating to the various Edison organizations has not been filmed. Included in this category are routine letters pertaining to bookkeeping, the ordering of supplies, and the shipping of materials; letters of introduction; and requests for Insull to act as an intermediary with Edison.

Most of the documents relating to Insull's private affairs have not been filmed. Included in this category are personal correspondence and accounts unrelated to Edison's activities; information about Insull's membership in clubs and societies; documents relating to Insull's role as a caretaker for the estates of various Edison associates, such as Edward H. Johnson and Charles Batchelor, while they were overseas; and correspondence pertaining to Insull's buying and selling of electric light stock.

Approximately 30 percent of the documents have been filmed.

P.O. BOX 3329.

NEW YORK REVIEW

TELEGRAPH & TELEPHONE

WEEKLY JOURNAL

23 PARK ROW

ROOMS, 14 & 15.

Personal.

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

New York, Jany 3d, 1882.

My Dear Mr Insull

Referring our conversation a few days since concerning renewal of note - I enclose herewith the new one which if you would kindly ask the Professor to renew I shall be under extreme obligation to both you and he and shall expect you will soon give me an opportunity to repay your extreme favors.

Very Truly Yours

Geo. Worthington

33

Jan 3.83

Washington

[FROM CHARLES BATCHELOR?]

1883-01-03

Form No. 3.

CABLE MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
13	Cok	BG	London

Received at _____ Jan 3 1888.

To Insull N.Y. Samuel Insull
Care Edison 65 fifth ave

Cable amount Milan account including engines charged £6476. machine works also amount german account hava mathers dynamos 679. been shipped acheson here badly wants position. Shall I send him new York employment Construction

1883-01

Form No. 3.

CABLE MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
13	Cok	BG	Words

Received at _____ Jan 1888.

To (2)

Work answer today

E

1883-01-26

2 Suffolk Lane
Cannon Street
London E.C.

Dear Mr Insull

Can you let me a receipt in the enclosed form signed by Mr Edison for £532. 6. 5 & another by Mr Johnson for £55-15-6 & if you could call here at ten tomorrow morning I will hand you the cheques.

Perhaps, at the same time you will tell me about the 'Western Co' & what has been the result of your inquiries in regard to Mr Edisons Australian Patents.

I have been delayed in Washington but hope to leave for Mexico tomorrow night.

Yours faithfully

A G Bradshaw

St James' Hotel N.Y.
Jan 26/83

1883-02-21

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK Feb 21 1883

9½ a.m.

You are a nice boy - you are - You know perfectly well that I was to be here this morning and wanted to settle up in some way that 5 or 4000. -

You have written Sims that you are to spend Sunday in Prov. & you can then do something with him in the way of settlement & write him to this effect.

Oh a nice boy you are - but I just "show you up" at 21 Burton Crescent London, W.C.

Yrs

Jas Mills

34

Feb. 21, 83

Pardon Armington

(16) S. H. R. S. Feb. 23rd 83 1883-02-23

Dear Mr Insull

Good Rage in sending, and the letter I refer to (of 18. July 1883) omitted the last page & I am ashamed to say the writer's name - (Fabbri? Fantoni? who I met a Dresselli's a very nice fellow) has escaped my memory & I should lose a post if I sent for the missing sheet. - Will you kindly insert his name for me where blank

1883-02-26

Subject,

OFFICE OF THE

EDISON ELECTRIC LIGHT,

No. 222 SANSOME ST.

GEO. S. LADD.

San Francisco, February 26 1883 188

In reply to yours

No.

Saml Insull, Esq.,

New York.

Dear Sir:-

This will introduce Mr. Frank B. Rae, electrician, who has entered our service and will attend to all our isolated and village installation work.

I send him to N. Y. on electrical business and particularly to gather, by personal study on the ground, detailed information and knowledge of the work he is to perform hereafter.

I have given him letters to Mr. Edison and Maj. Eaton, but you can do so much for him that I ask it as a personal favor that you will see that he has favorable opportunities for furthering the object of his visit.

With kind regards,

Truly Yours,

Geo. S. Ladd

1883-03-03

Established 1855.

The George Place Machinery Company.

Railway and Machine Shop Equipment.

121 Chambers & 103 Reade Sts.

P.O. Box 1119.

New York Mch 6 a 1883

Friend Kendall

I have written to the factory to get all the data on those friction pulleys & will call on you early next week, could you not arrange so that I could meet both Mr Edison & yourself at that time so that the matter could be fully talked over & thoroughly understood

Yours truly

H M Lyon

33 1883-03-19

Editors

19. 3. 83

Dear Mr. Smith

I have had a most interesting morning -- sorry you cannot come. but we shall learn much by well with Mr. Hughes —

Could you just use up the day of seeing Rosetti villas. tomorrow (day time.) ?

If disengaged will you dine with us (Table d'hôte) at Clarendon Hotel tomorrow at 6.0 Clock & go to see Theo.

Sincerely yrs

W. Michael Rossetti

Offices of
Callender's Bitumen Telegraph
Waterproof Co. Ltd.
101, Leadenhall Street,
London, E.C. 27 March 1883

33

My Dear Musell.

This will introduce my friend Mr Callender from the Village here.

He visits Newport in connection with the sale of the Concession for the Slates of the New Insulating Material here, the Inventor of which I am glad to

1883-03-27

Dry Lamina Insulation is quite equally in some respects excellent Gutta Percha & Rubber in cost far exceeds them in economy. The greater number of the Electric light Cos here are adopting it & the Nor Dept also after exhaustive trials have ordered Cables for Gov't use. I need not ask how Mr Edison keeps, for his health is always well known as his name is Fame. I hope you have found the change to Menlo Park an enjoyable & satisfactory one in every respect.

I wish Mr Edison would tackle Prescott about the Headquarters & the Post Office here - they are using it & we like Dogs in the Manger are getting nothing out of it. I am sure it must be Mr Edison's wish to have this matter settled. Mr Bender was at the last lately on the subject & is also most anxious to have a solution.

With kind regards

Yours truly

[illegible]

I am now removed
to new offices at
10 Austin Friars

My kind remembrances
to Mr Edison.

Forward you
see continues forging
ahead.

C.H.

1883-04-06

The Edison Electric Light System,

Canada Life Chambers,

THOMAS SWINYARD.

Hamilton, Ontario. 6th April 1883.

Dear Sir,

I shall be glad to receive from you two of the large photographs of Mr Edison, as well as one or two Carte de visite size. Would you kindly send these as soon as possible, and oblige.

You will have heard of our splendid Exhibition at Cornwall. Everything went off to perfection. We had nearly four hundred visitors; and of course, the lion of the day was Mr Edison. He was in first rate trim, and I think has made many converts to Electric lighting; the newspaper men especially are full of him.

Yours truly,
A. J. Lawson

Samuel Insull Esq
65 Fifth Ave.
New York.

29
1883-04-14

101, Leadenhall Street,
London, E.C. 14 April 1883

Dear Sir

As arranged yesterday I have pleasure in introducing to you Mr. Basil Lee our Electrician

I shall be much pleased if you can be of service to him and trust

Yours Truly

W. O. Callender

1883-04-18

John K. Porter.
Gouverneur L. Lowrey.
Geo Wales Soren.
Chas Francis Stone.
Geo. S. Hamlin.
Wm L. Porter.

~~P.O. Box 1930.~~

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 55 Broad St. (DREXEL BUILDING.)

New York, April 18 1883

My dear Mr. Insull,

Please excuse my writing you if you cannot close the Edison Colonial matter this month.

Yours truly
Chas Francis Stone

1883-04-27

CALLENDER'S BITUMEN
TELEGRAPH AND WATERPROOF
Co Ld

WORKS —
ERITH, KENT.

~~101, Leadenhall Street,~~
~~London,~~ E.C. April 27 1883
56. Pine Street
N.Y.

Dear Sir

I called at your office this morning & finding you out, saw Mr. Edison, I went up to explain to you that there some misunderstanding, some of the goods brought out by us from England, were not properly appraised by the Custom House officials & we have received a requisition to return them at once to Public Store; as these are the cables we are most anxious that Mr. Edison should see, Mr. Callender has had a day or two grace allowed him in sending them back and is therefore anxious that Mr. Edison & yourself should come down before Monday, Mr. Edison tell me that he would try & be at the above address at 11.0 A.M. tomorrow, now if you could see that it does not slip his memory & if possible accompany him we should be obliged.

Hoping that your sickness has passed off
Believe me
Truly Yours Bartlett.

Sewell Esq.

26
1883-05-04

53

CHARLES F. CLARK, *Pres.* [ESTABLISHED 1849.] EDW. F. RANDOLPH, *Treas.*

THE

BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY, PROPRIETORS.

EXECUTIVE OFFICES, 270, 281, 283 BROADWAY, NEW YORK.

Offices in all the Principal Cities of the United States and Canada; in London, England; also a Continental and Australian Correspondence.

NEW YORK, N. Y. May 4 1883

Mr. Thos. A. Edison
65 Fifth Ave

In response to your request, we have this day issued, under the conditions of your contract with us, a Card of Introduction (TRAVELER'S CARD), in the name of

Mr Sam Insull

as your representative, which will be valid at our offices until July 1 1883 unless we instruct otherwise.

Should this representative cease his business relations with you prior to the expiration as above we expect you to recall the Card or notify us in writing, that the Card may be canceled, and thus prevent the service which the Card contemplates, and for which you are responsible to us.

Yours respectfully,

J. N. Stearns

Superintendent.

1883-05-07

ARMINGTON & SIMS CO.,

PROVIDENCE, R. I., U. S. A.

HENRY HOWARD, PRESIDENT.
PARDON ARMINGTON, TREASURER.
G. C. SIMS, SUPERINTENDENT.
C. T. HOWARD, SECRETARY.

WORKS
AT
546 HIGH STREET.

PROVIDENCE, R. I. May 7 1883

Dear Sam

Mrs. Armington has been very sick but is now better and can sit up. You can realize that she is very anxious to hear from Mr. Armington through Mr. Batchelor and desires Mr. B. and yourself to make her home your home while here. Never mind your pay on hand but come on as soon as you can. Send me word so that I may meet you. Believe me

Sincerely Yours

Sims

33
1883-05-12

Barker
3909 Locust St.
Philadelphia May 12, 1883

My dear Sir:-

In reply to your inquiry I made no report on the Clerk gas engine. I simply acted as an expert for Mr. Goodwin of this city as the purchaser of the patents, to decide whether the engines came up in their performance to the conditions of the contract. Of course, had I made a report which I was at liberty to make public I would be happy to send it to you.

Will you be good enough to send me a diagram of the winding of the armature on the 60 light machine?

Yours truly
George F. Barker.

Saml Insull, esq.

10.

Dray 25 May 83

J. F. Bailey

Re - Introducing

Mr. Von Müller

1883-05-25

London 25 May 83

My dear Mr. Insull.

This will be handed you by Mr. von Müller of Munich, who comes to Newyork to study the subject of incandescent lighting. Bolectelor has had the pleasure of anticipating me in giving him letters to Mr. Edison, Maj. Eaton & Mr. Clarke, so that as far as seeing the New York Station, he is well provided for. You will be glad to meet Mr. von Müller, but you may not perhaps think of what I think be the greatest favor you can do him, to aid him by your

knowledge of New York to direct of himself comfortably. I should think the best would be for him to take a room in the neighborhood of Delmonico's between 23 & 28 Sts, so as to live there when in town & be free to go to the Coney Island or other places of refuge when the heat is too strong. If you will arrange yourself with this you will do Mr. Muller & myself a great favor. Also, if you will kindly arrange so that he has good opportunities with Mr. Edison by keeping him posted as to movements &c. — I have been too busy to write you lately, but I hope to get a little free in three or four weeks. Yours truly

J. W. Bailey

1883-06-04

RECEIVED
JUN 3 1883
ANSWERED

.....188...
FILE No..... W-Dl
6/4-83

Dear Jane

Please send me the blanks for contracts you promised. G. S. A. Hitt

Show enclosed to Edison. This is the only one now running that I hear of

Yr
W. Painter

O/L

Menlo Park
F. H. DAWES, Sec'y

JULIUS STAPFF, Pres't.

THE GERMANIA INSURANCE COMPANY,

NEWARK, N. J.

Agency at Menlo Park June 7th 1883

S. Insull Esq

Dear Sir.

In your favor of the 6th inst. you say "as there we have had no telegrams - we cannot see any reason for our paying the bill". There was a few telegrams sent & received by Mr Hughes & Mrs Edison. but they were paid. hence no bill -

The condition upon which I accepted the W. U. as made by Mr. Carman was that Mr E. was to pay $5. per month. also your letter of Jan 5th/82 says "as long as I keep the office am to receive that amount"

Yet circumstances have changed since then - Still it does not pay me to handle W. U. business for 82 cts per month - (the last months pay from W. U. Tel. Co)

I thought as we had quite a large mail to address daily - perhaps Mr. E. would still allow me that amount.

Yours &c

M. B. M. Hussey.

Genl. Ex

500

June 13th. 1883.

Gardner C. Sims Esq.

Providence, R. I.

My Dear Sims:-

I have your two letters of yesterday's date. I am sorry to say that my business is such that I do not think I can come down at present. If I can run away on Saturday I will do so, but I will wire you Saturday morning letting you know exactly what I can do.

I wish you would hurry up those three engines (6 1/2 x 10) because we are waiting for them.

Very truly yours,

1883-06-12

ARMINGTON & SIMS CO.,

RY HOWARD, PRESIDENT.
(DON ARMINGTON, TREASURER.
. C. SIMS, SUPERINTENDENT.
J. T. HOWARD, SECRETARY.

WORKS
AT
546 HIGH STREET.

PROVIDENCE, R. I., U. S. A.

PROVIDENCE, R. I., June 12th 1883

Dear Sam.

Your letter received. "All chatter. all right."

I am very sorry to hear that you have been sick again and think if you would come here for a few days your improvement would be rapid. Newport is two and one half hours distant by steamer. If I could not get away, Mrs. Armington would go with you and you know we will do all we can to make your visit pleasant. Our drives are grand. Come and enjoy them.

Let me hear from you soon and believe me

Sincerely Yours

Sims

1883-06-21.

HUNTINGTON-GRAND HOTEL.
J. H. PHILBROOKS.
PROPRIETOR.

Richmond, Ind., June 21st 1883.

Saml. Insull Esqr.
65 Fifth Ave.
Dr Sir.

I have not yet reed the small pocket edition of Bradstreets referance book for this state & circular letter of introduction to offices, you promised to get for me. As I need it frequently, you will oblige by giving the matter your attention & mailing same to

c/o Bates House
Indianapolis. Ind.

Yours very truly
Geo. M. V. Taylor.

Bates House
Indianapolis
Ind.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY		CHECK
166		Dy	9 PM	1139

Received at 852 BROADWAY.

Dated Baltimore June 22 1883

To Saml Powell

Meet me at Providence Steamer

after [illegible]

G. W. Deino

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-06-29

ARMINGTON & SIMS ENGINE COMPANY
TRADE MARK
PROVIDENCE R.I. U.S.A.

HENRY HOWARD, President.
PARDON ARMINGTON, Treasurer.
GARDINER C. SIMS, Superintendent.
CHARLES T. HOWARD, Secretary.

WORKS
AT
546 HIGH STREET.

PROVIDENCE, R. I., June 29 1883

Dear Sam.

Your letter received. Many thanks. I will accept your invitation and take breakfast with you. Should I miss you by any delay of Steamer I will meet you at 6 5 as soon after my arrival as possible

Sincerely Yours
Sims

1883-06-?

Executive Office
Western Union Telegraph Company
New York June 1883

Samuel Insull Esq
Dear Sir.

I have taken off my hat to Worthington and blushed becomingly. He thinks I'm wasting my sweetness. I have been out of town for the Co. nearly all week and leave again this PM. Shall be home, probably, wednesday morning of next week. If you can drop me a note to the office here, say tuesday, naming any day or hour when it may be convenient for me to call I shall be pleased to respond.

Very Truly Yours
J. E. Lenon
Room 3.3
W U Building.

[INCOMPLETE]

1883-07-05

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, ... 188

will post him as much as possible, and send him on to-morrow nights train, so that he will be in Sunbury Saturday morning.

Your second telegram stating that you want the right hand cups and wire screens for the dynamos, and also spare field for cylinder of the same style as Pearl Street Station, came to hand later. I will endeavor to get these things, and have Conant take them on with him.

Ferranti informs me that he has shipped the pressure indicator and ammeter indicator, they should therefore arrive to-morrow.

Ponovo canvass has just come in. Minneapolis will be in in the course of a day or two. I think Eaton wants me to send a man to Hamilton, Ohio right away. My impression is that we shall want another canvasser, and I am therefore looking after one. I am on the track of a man, who is coming to see me to-morrow. I shall instruct the applicant, and start him out on Sixth Avenue to see what he can do. If he turns out satisfactory, can I send him off before you return? Will you trust to my judgment of his physiognomy? Please wire reply.

I have sent you by express to-day, in care of Shaw, Williamsport, copy of the Williamsport map, which please mark and bring back with you.

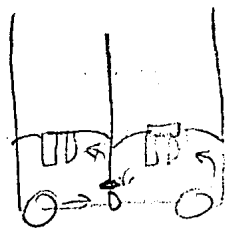
Yours very truly,

Samuel Insull

[INCOMPLETE]

33

S. Small
T. A. Edison
Dr. Teaching
Bottlebaer



T. A. Edison
Small
Bottlebaer

1883-07-10

65 Fifth Avenue,

New York, July 10th. 1883.

My Dear Edison:-

I wrote you asking if I could engage another canvasser and you have not replied. We have a number of towns that should be canvassed, and although this work is getting on considerably ahead of our ability to take care of it in the office, yet I think we should put as many canvassers in the field as are necessary to satisfy our agents. Three weeks ago I did not think the business justified it, recent developments lead me to the conclusion that it does. We shall also require another map man. I am sure that the one man now here cannot take care of all our map work. He has just finished the map of Erie. He has now got StPaul, Renovo and Bellefonte to deal with. The Hartford canvass will be here to-morrow, Minneapolis canvass ~~xx~~ a day or so after, and Pittsfield and Louisville soon after that. We have got Elysville, Utica and Erie maps waiting for you to red line, so that they can go to Menlo, others will quickly follow.

I telegraphed you the other day asking you what I should do about regulators and switches for the Louisville Exposition. You have not yet answered ~~xx~~my telegram. You see there are piles of matter requiring your attention, and I am very anxiously looking forward to your return, else I am afraid the plaster will grow so horribly thick that it will be set hard in our stomachs.

I have got an order from the London Company for two 13 x 13 engines for the Criterion Theatre, London. Sims has undertaken to ship them before August first.

I have cabled Bailey as you have suggested and hope that will result in an order.

The Isolated Company sent an order to the Machine Works for one 100 light machine. Rocap wrote asking me whether the Isolated Company thought we kept a toy shop. I went to Hutchinson and Hastings, insisting on an order for ten, and got it, and they have undertaken to pay cash on delivery.

The London Company sent a remittance for $4,000 to pay for the two engines they ordered. This greatly relieves the financial plaster, which has been getting horribly thick, since I got back.

Eaton has gone off for a holiday of two or three days with a Postmaster General and two or three other swells.

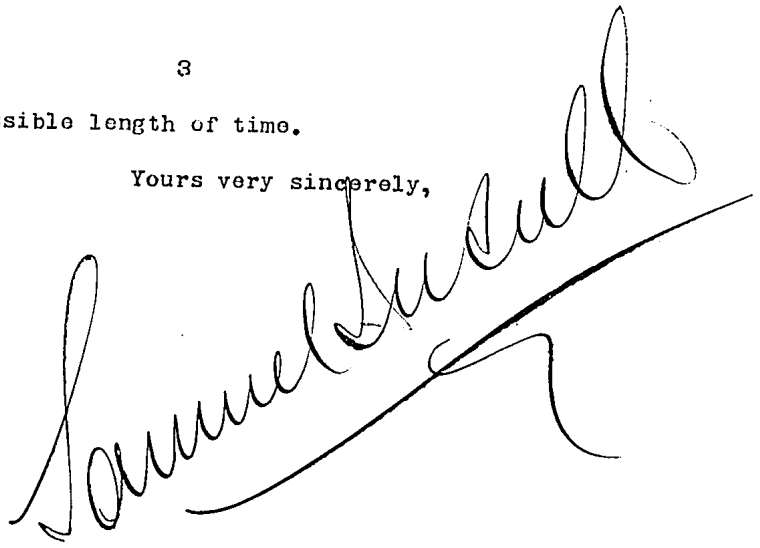
Brewster has got back from St.Louis. The people there have bought a lot for the central station, and we are dead sure of that contract sometime next Fall.

Moore, I think, is going to get left on his engines for Louisville, he is going down to Providence to see about them.

I wish you would go for Hanington bald headed. He has rendered me a bill for $67,05 for work done at the central station. I suppose we will have to pay the bill, but I look upon it as a scandal. If I had my way I would charge Mr. Sprague with it, as I presume most of the expense was incurred owing to his little escapade with the engine. Even taking that into consideration, the bill had no business to be any such amount as it is. Hanington cannot know much about handling men. ~~It is~~ It seems to be his rule to get the least possible work out of the greatest number of men

in the greatest possible length of time.

Yours very sincerely,



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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
276	Zn	V.	DH.

Received at 791 BROADWAY. July 12 1882.

852 BROADWAY

Dated 195 Bway 12.

To A Insull.

Private Secy Care T A. Edison

65 Ave.

Will you both be there tomorrow Eve.

J. E Finn

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
100	G W	DH	same

Received at 791 BROADWAY. July 13 1882.

852 BROADWAY

Dated 195 Bway Ny 13

To I Insull Private Secy T A Edison

65 fifth ave

Hamilton says if I will wait till tomorrow Eve he would like to go with me will it be as convenient and pleasant for you both J E Finn

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Insull

1883-07-13

Executive Office

Western Union Telegraph Company

New York July 13 1883

T. Insull Esq.

Dear Sir.

Hope I am not boring you. Geo Hamilton giving your telegram to me regarding this eve remarked that he would be glad to go along unless it was a private matter. I remarked I would be pleased to have him. As he has an important engagement this eve we spoke of tomorrow. Am glad to know the Prof. takes one night a week. If nothing "busts" and pleasant to you we will drop in Monday eve.

Truly Yours

J. C. Penn

1883-07-17

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
305			434

852 BROADWAY.

Received at **791 BROADWAY.**

Dated, 195 Broadway July 17 1882.

To J Insulle

T A Edisons 65 Fifth Ave

OK for Thro Eve go

Per My Letter

J C Fenn

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-07-20

Hotel Brunswick,

Fifth Avenue, 26th & 27th Sts.

Mitchell & Hinzler. New York, July 20 1883

My dear Mr. Edison:

I was very ill all night and have only this morning been able to rise — I intended to call on Mr. Edison and explain matters but had to be my country. Therefore I shall not see Mr. Edison in person, but I will rely upon you to tell him [illegible] concerning all [illegible] for general report [illegible].

Don't fail to send me samples of 3 conductors, [illegible] Hope to see Mr. Edison.

Please explain to Mr. Edison the cause of my failure to appear

29

July 20 1863

Geo. S. Ladd

re- his being unable to see him on account of illness

1883-07-30

Subject,

RECEIVED
AUG 7 1883
ANSWERED

OFFICE OF THE
EDISON ELECTRIC LIGHT,
No 222 SANSOME ST.

188

FILE No.

GEO. S. LADD.

San Francisco, July 30 1883. 188

In reply to yours

No.

Saml Insull, Esq.,

New York.

My dear Sir:-

I hand you $C. which I borrowed from you the evening we all went down to the Telegraphers headquarters. I beg to apologize for the omission to send it to you on the following day, but the fact is I forgot all about it until now and it is very fortunate for me that I did not forget it altogether.

I had a very disagreeable trip west. I did not recover from my illness, for ~~from~~ four days, and between the heat, dust, cinders and other discomforts we had a pretty rough time. However, we are all right now. I am anxiously expecting the memoranda about canvassing for villages &c - also my samples of conductors, tape &c.- as I wish to get to work at once.

With kind regards to Mr. Edison and yourself,

Very truly Yours,

Geo S Ladd

21

188

1883-08-08

RECEIVED AUG 26 1883 ANSWERED

SOCIÉTÉ INDUS^elle & COMM^le EDISON

Société Anonyme, Capital : 1.500.000 Francs.

à Ivry s/Seine, 5, Rue du Parc.

FILE No. 512

Grand Diplôme d'honneur Paris 1881

Ivry, le Aug 8th 1883.

Samuel Insull New York

My dear Insull,

Yours of July 26th to hand — Please sell for me my 54 shares of the Stock of the Isolated Company. Get me the best price you can and after deducting a commission for yourself place the balance to my credit at Drexel Morgan & Co. — If you find it difficult to sell it & can more easily sell parent stock please sell enough of that instead to net me at D. M. & Co. £6000 under the same conditions. I hate to sell this stock for the purpose I am doing it for; that is to put into the Continental Companies but I must get it from somewhere — If it were possible to sell European at any price

1883-08-08

SOCIÉTÉ INDUS^elle & COMM^le EDISON

Société Anonyme, Capital : 1.500.000 Francs.

à Ivry s/Seine, 5, Rue du Parc.

Grand Diplôme d'honneur Paris 1881

Ivry, le 188

I would sooner sacrifice that, as that is simply exchanging "founders shares" for ordinary ones

Very truly yours
Chas B Batchelor

Executive Office

1883 08 23

Western Union Telegraph Company

New York Aug 23 1883

T. Insull

Dear Sir.

Will you kindly place the enclosed in the Professors hands when suitable opportunity offers. I regret that I did not meet you the evening that Hamilton and I called at W.S. As you were in and N.A.E. very busy, as usual, we stopped but a few minutes. I would be pleased to receive a call from you if you are down our way. We have not much of interest here to exhibit to you — unless it is the congregation of ladies up stairs and they are as a class so mortal namely you would not be interested in them unless it was as a work of nature. But call. As you are aware I am anxious to — — — "Be an angel" — not an aesthetic angel with wings and gold plated harp — But an Obelisc

bamboo fibre, 16 candle, angel.
If at any time you can conscientiously advance my interests in this direction I will return it a great favor and be pleased to reciprocate in any manner in my power.

Very Truly Yours
Jas. E. Penn

33
August 23 1893
J. E. Penn
Per Personal

1883-09-22

GROSVENOR P. LOWREY,
No 3 Broad St. (DREXEL BUILDING)
New York.

Sept. 22nd 1883

My dear Parsons

Sorry! I am going away Saturday
Lowrey is in town now & has
arranged the matter of
Hale & Walcot — I start
in all day yesterday for
you —

You will now have to
arrange the matter in corres-
pondence with them. Mr
Eaton will give you good
suggestions & a lawyer.

Yours G. P. L.

NARRAGANSETT HOTEL
P. S. BOOTHBY & CO.
PROVIDENCE, R. I.

1883-11-07

54

11.30 p.m.

Providence, R. I. 7th Nov 1883

My dear Pete & Mr Fate & 2 naylls

I wrote you at length this afternoon but I forgot to mention that Annesi & myself saw the Street Comr at Fall River this aftn. & arranged for Annesi to lay the tubes there in the side walk. I had quite a "lively" interview with Dwelley & was obliged to tell him exactly our ideas of his correspondence after which he became more reasonable. Be sure & get Mr

1883-11-07

NARRAGANSETT HOTEL
P. S. BOOTHBY & CO.
PROVIDENCE, R. I.

Providence, R. I. 188

Edison reply about inside wiring at Fall River & write Dwelley tomorrow (Thursday) sure — If absolutely necessary I could go to Hartford on Friday afternoon although I must say I would very much prefer to go next Wednesday as I should go carefully over the Hartford estimate with you before I see Haines & Robinson.

Tell Ernest to urge Soldan to finish as many machines this week as possible & tell Ernest also to get all possible bills in to Isolated Co.

See Hutchinson & arrange to call Doubleday back from Louisville also collect bill of his expenses from Hastings.

Do try & get the Construction Ops properly changed up — This is very important

Tell Johnny Randolph to hurry all Bills of Lading & have them in good shape for

me Saturday A.M.
Have Robbie go
to Mr Dawson's tailors
Cavanagh Sandford &
ask about second
suit of clothes
they are making
for him & then have
him (R) let Mr G.
know about it.
Try & hurry all
estimates possible

Yours truly

Sam Ingall

I go to Boston early tomorrow
(Thursday) & shall call
for my letters & then
go out to Lawrence but will
be at Hotel Vendome Boston tomorrow
night

1883-11-08

Box 3311, Boston, Mass.

Edison Electric Light Company
AND
Edison Company for Isolated Lighting.

Spencer Borden, Manager
New England Department.
Herald Building.

Boston, 8th Nov 1883

My Dear Pratt

The New England Dept complain that they cannot get the Point of Foundation for 50 light machines. Tell Sedgwick that we must have Foundation plans and all other information about the new machines. We have not got Sedgwick's all yet but must get them right away. Hurry all over Manchester through Alexander Hutchinson about machines. They have 10 building of the 50 light size. I understand that 12 have already been sold of this class. Tell Hutchinson he should look into his business

1883-11-08

Box 3311, Boston, Mass.

Edison Electric Light Company
AND
Edison Company for Isolated Lighting.

Spencer Borden, Manager
New England Department.
Herald Building.

Boston, 188

andrews has made to give me another order on Saturday if the Sewing Machine drive machine or else he will suffer from delay all the time

Tell Spencer he will show Golden on machine

Yours

Russell

Yours of yesterday to Chas. Wilmarth on my way to Lawrence

1883-11-08

THE VENDOME

J. W. WOLCOTT.
BOSTON 8th Nov 1883

My Dear Pete

Order three Ampere meters instead of one to go to Lawrence right away.

Found a night I fancy about the Conductors I will be able to tell when I get at the papers. Have them all hunted for I fancy they are in the Engineering Dept. Have you set Campbell at work on our files. If not when

1883-11-08

THE VENDOME

J. W. WOLCOTT.

BOSTON, 1883

will you.

Those Brockton a/cs are N.G. You send no statement showing the amount of the contract the amount of extra bills and the cash received by us & balance due. What you send is no kind of shape to render a/cs in. Furthermore you left with the services of Johnson the wireman altogether. This is owing to the long delays in changing up Expert Expense a/c — Then you put in an item for wood & automatic cut off on motor but and you sure that covers the cost of motor as well. I am not. Bergmann would know.

Kimesi told me that outside of Fall River & New Bedford we owe him about $3000 Johnson's statement showed $3000 Have you got Kimesis a/c fixed up yet.

Order 12 Pressure Indicators of the new form at once

1883-11-08

Sold to me today that he wrote about 2 weeks ago to machine works about one 200 & one 300 light Dynamos & got a reply from "65". Heard nothing whatever about it.

You cabled (while I was in Cincinnati) to Berlin about 25 & 50 light Dynamos. Have you done anything about shipping them & not have Randolph give machine works a foreign order for them.

You see that

THE VENDOME

J. W. WOLCOTT.

BOSTON, 1883

Campbell leaves on my desk tomorrow evening all information about size ~~& sp~~ of pulley speed armature size & sketch of ~~Bed~~ foundation & price of the 25, 50, 100, 200, 300, & 400 light machine. There is no reason why Boldan cannot give this information & if Campbell has not got it have Burnett get it from Boldan tomorrow sure.

Tell Burnett he must

1883-11-08

THE VENDOME

J. W. WOLCOTT.

BOSTON 1883

finish up his books so that I can tell the cost of the new machines. This is imperative.

Have you collected from Isolated & Fox Doubleday receivers. If not do so at once & arrange with Hutchinson for to return as early as possible.

I shall be at the office at 8 o'clock tomorrow Friday night.

Yours very truly

Sam Insull

Hurry Kimsi on Newburgh tubes or we shall get left owing to frost. It is quite cold up here.

Tell Hastings that I shall want $3000 on Saturday on a/c of the machine works & $2000 on a/c of the Pube Co. Tell him that we cannot possibly get on without it.

Tell Hutchinson to look over all his orders for Dynamos & see whether he does not want some more ordered of certain sizes. If so I want to know while away

1883-11-12

Edward H. Johnson
~~50 West 14th Street~~
New York
139 East Thirty Sixth Street.

Jan 12th 1883

Insull

Will you please give Russell $50. for Connolly.

Edison

1883-11-15

Established 1855.

The George Place Machinery Company,

Railway and Machine Shop Equipment,

121 Chambers & 103 Reade Streets,

P.O. Box 1119.

New York, Nov 15th 1883

Friend Insull

I find my friend Lawson is going out of town next Tuesday to be away for some time & I am anxious that Mr. T. A. Edison should see him & the governor & also the small engine he will start up for him at say not less than 1000 turns a minute. Please try & make an appointment for either Saturday or Monday & oblige

Yours truly

W. H. Lee

180 Irving Street
Woodside Newark
N.J. Nov 17th 1883

Mr. Insull
Dear Sir
I received your Note this
Morning asking the
date My Husband
Sailed for England
My Husband James
Adams Sailed from
New York for England
on the 19th of March 1878
on the Union Line
Yours Ellen Adams

1883-11-19
Nov 19 1883

Insull

Please give Russell
$50 for expenses
[illegible]

[FROM SAMUEL ALLIN]

Re Instalments

Mr Insull

forward from list
as checked by Smith } 22.925

Nov — 1 — R's 1.250

" 2 " 3 50

1 Y 10 75

16 8 L's 76 00

1 200 ch 75

13 | 31,925

$10,641

If you give me your
Check for $10,641
will give you one for
same amt — over — SA

Nov 25/83

Perhaps it will help on hand
if the above purchases of me
arrange this by formal Entry
instead of checks, it looks
rather bad to have two checks
going in for the same amt
what do you think?
Jan 28/83

Memo of Installments
Stockholders

T. A. Edison	165	Shares
C. Batchelor	73	"
R. "	4	"
S. Insull	10	"
	252	

50% = $37,600

Payments.

July 31	7,018.66
Sept 7	3,150.
	10,168.66
Balance unpaid } =	$ 17,431.34
	27,600.00

Debits

T. A. Edison
165 Sh. 50% [illegible] 23,350
Less paid on a/c 10,168.66
13,081.34

C. Batchelor
73 sh. 50% [illegible] 3,650

Rumsey
4 sh. " 200.

S. Insull
10 sh. 50% [illegible] 500
Less paid on a/c 150 350

1883-11-28

T. A. EDISON,
65 Fifth Avenue.

New York, November 28th, 1883

U. H. Painter, Esq.

Box 88,

Washington, D. C.

Friend Painter:-

Did you ever get a letter from me asking for a map of the United States? Our office is starving for one. Cannot you manage to get one for us?

Very truly yours,

Sam'l Insull

Yes I thought it had gone - I will go today
Mr Adams & yours - Please send me copy that letter to me about gov't Rly Yours Truly
WAP

Insull

1873

AGENTS,
GUION & Co.
LIVERPOOL.
WILLIAMS & GUION,
NEW YORK.

Guion's Mail Steamer "Alaska"

200 miles West of Queenstown
18th Dec. 1888

My Dear Edison,

Just a line to acquaint you with the fact that I have not supplied the fishes with food during the trip over. I have been having an elegant time all the way over scooping in the bets & pools on the Days Run.

Sherman has been most exemplary in his behavior & has not ventured to approach me except he should by some mis-adventure happen to call him.

The light on this Ship is not worth a Damn. It is the

any worse I have
ever seen. If our
plant on the Oregon
works no better (when
I am on my return
trip) than the Alaska
plant does I shall feel
like quitting this life

My ideas don't
flow well this morning
I was up late last
night So au revoir

Yours very sincerely
Russell

I've almost forgotten
there are such
things as pay rolls
& notes. Don't you ~~[illegible]~~ you can
borrow under the circumstances

1853-12-21

London 21st Dec 53

My Dear Pati

I got home yesterday morning & have been laid off my leg ever since.

I go to Paris tonight & shall be back here on the morning of 25th

Please see that my letters are answered promptly by cable if necessary if there is anything in them to answer

I have no letters from you yet but presume I shall get one by the time I get back to London. Regards to all

Yours

Russell

1883-12-21

London 21st Dec 1883

My Dear Edison

I have your cable as follows:-

"Better see Gilman Co explain our methods things here satisfactory"

I cabled you yesterday

Is Rotterdam ~~machine~~ shipped. Pell Penny cable cables Batchelors Isolated

& I got your reply as follows this a.m.:-

Rotterdam shipped Schiedam Seventeenth

I am now just starting for Paris to see Batch as I received a telegram from him this morning requesting me to go over there at once

1883-12-01

as he has got to go to Nice Christmas morning. I will ~~then~~ when in Paris consult with Batchelor about going to Berlin & will in all probability go there about the 29th inst.

I saw Lord Ainsworth Melvlite & Maj. Flood Page (now Secy of the United Co White having resigned - I presume to resign). From them I gather that there is little or no lighting business in England except shipping & of this character of business they seem to get a great deal. Holborn Viaduct Central Stn is being run at a loss of £10 ($50.00) per day. What few

Isolated Plants they have - they state - are running well but more of this later when I have seen more. All "outsiders" unite in stating that Electric Lighting enterprise is dead in this country & the amalgamation of the Swan & the Edison Companies is looked upon as the union of two drowning ducks who by this means hope to get a new lease of life. I asked Paggy if there was anything good to my country though the Swan Company & they said he thought not. If you object please call me not to go

They are very anxious to

only go through Devan books
ascertain Cost, dont go
through factory
E

Can you ascertain
Exact cost last year
Devan Lamps Dont
go through factory

1883-12-21

know what you are doing in the way of high resistance lamps. I could not give them any definite information as I do not know enough to tell them about the matter. If you have any information you want me to give them please advise it.

I made the proposition about the patent account & I hope that I may be able to get the money out of them early in January. Of course in proposing that, in future, we will only ask them to ~~be~~ take the applications from us & then deal with them themselves ~~they~~ paying all patent fees & we waiving

1883-12-21

our right to double the cost of experimenting - I make it a final condition that they should pay us the amount of our present account

I will write again from Paris fully

Yours sincerely

Sam Insull

1883-12-27

London 27th Dec 1883

My Dear Edison

I went to Paris on Sunday night last in compliance with a telegram I got from Batchelor. When I got there I found a copy of Bailey's letter to Eaton of 8th Dec setting forth the proposed plan for the amalgamation of the French Companies. There is no necessity for me to go into the details of this proposition - Batchelor does that in the enclosed & sets forth fully the true inwardness of the scheme which seems to me a most disastrous one to the stockholders of the European Co I must say that I feel very much dissatisfied with the reception I received from Bailey. He evidently looked upon my visit as one o

hostility to himself & in explaining to me the proposed contract he gave me no more information than would an entire stranger & it was quite evident that his intention was to tell me as little as possible. Batchelor noticed this & in fact was the first to draw my attention to Bailey's attitude. Bailey is in my opinion afraid of our knowing too much about him. Batchelor's letter tells you exactly how he stands & the precise point to which he is pushed. It stands to reason that if Bailey is heavily in debt to these Paris Jews & is obliged to borrow money from them all the time he is a very poor agent for both you and the European Company. It is folly to suppose

that they will keep loaning him money without getting an equivalent & that equivalent is in my opinion further concessions from you and the European Co. I do not mean to say that Bailey is dishonest but I do say that that from his unenviable position he is unable to do you and the European Co justice. He is away from Paris all the time; he has no idea whatever of what you have invented or the value thereof; he has but to hear of an alleged new lamp, a so called new dynamo to come to the conclusion that unless our people purchase them their chances of success have absolutely gone. This is the man you have to depend on

to protect your property; put enthusiasm into your people here & to see that the Edison System is preserved as a System. I must say that it surprises me to have to write this but it is the result of opinions formed after talking to Batch & Porges, & Batch's letter shows that he agrees with me.

Porges treated me elegantly that is for Porges so Batch says. Porges took me to the Theatre to see Sarah Bernhardt & during the performance gave me his ideas of the business. If you accept all he says as the real opinion you would imagine that our business is dead in Europe but in listening to him you must read between the lines

6/

1883-12-27

for his real opinion and I feel sure that he thinks he has a good thing & what he wants to do is to get it as cheap as possible due to his Jewish instinct. The way he and his people will get it cheap is to "work" Bailey in the manner above suggested. That a reorganization is desirable and necessary I feel sure but that such a proposition as Batch's letter sets forth is by no means certain. If we want to have a Central Station started in Paris some modification of the plan suggested in Bailey's letter of 8th inst will have to be accepted but I would advise that you absolutely refuse to accept the last edition of the plan as Batch's letter depicts & Bailey should be given to understand that all modifications

6/

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must be in the direction of giving more to the European & less to the French Companies Bailey seems to think the opposite is the true policy.

You must understand that the amalgamation in England has materially altered the situation in Europe & I feel sure that in any final Contract you will have to yield to the French people the right to take in Suez although on no such terms of equality as in the case of the English Fusion

If some new Contract is made it is almost certain that a Central Station will be started in Paris which means that the reputation of yourself and

2/

& gam system in its entirety will be established in Paris. From the English & you can expect but little but more of this when I have seen Forbes the Chairman of the United Coy.

I confirm following cable sent by Batch & myself from Paris on 23rd inst.

Batchelor urgently desires return. Forges will abandon Central Station project if he leaves abruptly. Batchelor proposes sail January with full Central Station data, consult you, decide plans, take expert Paris start building finally return New York July. Cable Batchelor early Monday your views Bailey's letter Eaton eighth

1883-12-27
35

For our private ~~guide~~ guidance
Batchelor Duell

London is en fête that is so far as it is possible for a people subject to fogs (which require a hatchet to cut your way through) to be gay; and it is quite impossible to get people to do business this week. For the same reason you must excuse me for not writing more as I can assume you and is difficult to keep ones mind on business with a host of good looking cousins and Dulcis around.

Yours Sincerely

Sam Duell

Have not seen the Sun since I left foot in England & sometimes I think I shall never see it again

	16478 1/2	
Chas. E. Miller	25	
Jos. E. Martin	70	
David Mahaney	7 1/2	
Gustavus Mans	32	
C. E. Mallory	80	
Mary R. Mallory	15	
E. H. Mallory	430	
Saml F. Noyes	40 1/2	
W. J. Rawes	1 1/2	
Alex J. Perry	18	
W. S. Pillsbury	100	
John J. Ott	30	
E. J. Payson	10	
Meriwether Smith	19	
Chas Innes Stone	7 1/2	
[illegible]	50	
J. R. Upton	418	
Mulcahey & Squire	3	
D. L. Warden	15	
Peter Marie	30	
Geo. C. McKeown	3	
J. A. Earrington	35	
Joseph Nichols	50	
		17888 1/2

Dr Ward	1 ✓
W Carman	9 ✓
Russell	1 ✓
Holzer	1 ✓
Goddard	2 ✓
Roberts (Eaton)	8 ✓
Eaton	15 ✓
Pucker Laporte	6 ✓
Snoull	9 ✓
Edison	113 ✓
	158
Bergman	2
	160

15

3
5
5

Case C

Attenbury	3	
Bar	1	
Banker	390	
Bell	1	
Broadhead	5	
Wm A Butler	5	
Batchelor	100	
Chilton	3	3500
W. G. Connor	10	430
Cook	20	3070
Connell	10	
W. L. Cutting	37	1535
Wm Cutting	20	
R. L. Cutting Jr	168	1092
" "	120	
R. L. Cutting Jr & Co	3	443
J. A. W. Cutting	112	
Cammann	5	
Chas L. Clarke	10	
M. T. Campbell	2	450
Deacon		

1092 2)3500
480 1750
1522 1522
227

	Greer				
Mar 1	no				
4	P.S.	1 ✓			
	Orland	1 ✓			
8	P.S.	1 ✓			
9	C. Goddard	2 ✓			
10	J. Robins	8 ✓			
14	Moses	(1)			
17	P.S.	2 ✓			
18	"	2 ✓			
25	Moses	(2)			
30	P.S.	2 ✓			
	Russell	1 ✓	Penny		
	Kolyer	1 ✓	Leo	13	5
Apl 11	Moses	(1)		17	2
	Bergmann	2 ✓		26	5
	Cosking	4 ✓		31	5
	Barker	5 ✓			17
	~~Shaupe~~	~~8~~			
	~~Russell~~	~~18~~			
			25		
July 22	Penny	40 ✓			
Aug 11	Shaupe	8 ✓			
	Ford	15 ✓			
		17	114/17	6000	
		16			

Thomas A Edison

Thos A E

9.00
10.60
15
15
32.50
32.50
37.50
35.50
35.50
50.00
18.00

291.10

443.04

ABCD
EF

Fairchild

959.89
291.10

698.79
35
663.79

Rebate 10
10
15
35

663.79
37.50

626.29
15

611.29
33.50

577.79
25

552.79
75

627.79
15.75
13.50
4.00
12.00
18.00
5.00

68.25

559.54

559.54
20

539.54

42.50
18.00
18.00
18.00

96.50

443.04

(1883)

Mar 1	1				
4	1		500	Lin hand	301
8	1	Cohen	352	In Deposits	500
9	2	Lewis	152	Pabbri Colat.	100
11	3	same			901
	2		1007	Dunnawood	
	2		107	Rent Cash	4732
	2		900		
	1				1871 ½
	1				
	2				
	4				
	5				
	40				
	5				
	15				
	17				
	107				

12
20

(1883)

Thomas A Edison		10350.
A. C Tate		50.
S Insull		100.
J C Tomlinson		150.
E. T. Gerrilland		300.
S Bergmann	+	100.
J C Reiff		50.
E H. Johnson	+	250
F. R. Topham		50
R. R. Leyer		50
A K Keller		50
J Ott		5
C Batchelor		
		12

Harry Hemenway 15

(1883)

INDEX 1

SBE

for.

J. W. B 3331

V. A. E. 6064

C. B 854 10252

10253

Shares

(1883)

Johnson 10
Dodd 5
Mott 5
Rocap 5
Parkins 500
Fabbri 1690
22 15

I. A. E. 8200
Batch 169
8369
2215
6154

(1883)

10000 Edwards
1000 Parkins
gave 6

Bankin & Cutting
2233
1000 Bailey
4233
180 from Parkins
in addition
10000
4233
5667
1000
4667
250 Bailey to Bank

(1883)

Stock Claimed
by Bankers 1000
S. & T. Co Books
show Edison Co. with 761
more than S. & T. can
account for 239

(1883)

154
1690
4310
6154

Stock in safe 6154
" " S. & T. Co 180
6334

On Books of Co S. & T.
7195
Edison owes 6334
761

E. E. Co (1883) 6

On 1st March

Edison had

Certificate	35	8200
"	11	180
		8380

Books show 8th Oct

7195
239
7434

(1883)

10000

7195 on Books
1000 Rec received
" in account
6195

Edison has 6834
Bookkeeper show 6195
Edison has 639
more than book

(1883)

~~180~~ 180
~~151~~ 154
1690
4310
6334

25
25
50
100
200
400

1883. Mining (D-83-068)

This folder contains correspondence, lists of stockholders, and other documents relating to mining and ore milling. Some of the documents deal with the business of the Edison Ore Milling Company, Ltd. and the Spring Valley Hydraulic Gold Company. Related material can be found in the Edison Ore Milling Company Minute Book (Company Records Series) and in Letterbook, LM-005 (Letterbook Series).

Approximately 50 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding ore samples sent to Edison for assaying; routine financial documents; correspondence offering to sell mining properties to Edison; duplicate copies of selected documents.

13 1883-01-15

Spring Valley

SPRING VALLEY HYDRAULIC GOLD CO.,

61 BROADWAY, NEW YORK.

January 15th, 1883.

Dear Sir:

The Annual Meeting of the Stockholders of this Company will take place at this office on Tuesday, February the Sixth, for the election of Trustees for the ensuing year, and for the transaction of any other business which may come before said meeting.

The polls open at twelve o'clock noon, and remain open until two P. M.

Transfer books close on February 1st, and re-open February 7th.

Yours respectfully,

N. S. WALKER, JR.,
Secretary.

Proxy. H. Anstice & Co., Stationers, 23 Nassau St., N. Y. 1883-01-15

Know all Men by these Presents,

That I Edward H. Johnson

do hereby constitute and appoint Samuel Snell

Attorney and Agent for me, and in my name, place and stead, to vote as my proxy at ~~the election of~~ annual meeting ~~of the~~ Edison Ore Milling Co ~~to be~~ held on 16th day of January 1883 *according to the number of votes I should be entitled to vote, if then personally present.*

In Witness whereof, *I have hereunto set my hand and seal, this* Fifteenth *day of* January *one thousand eight hundred and eighty* three

Sealed and Delivered in the Presence of

C. P. Mott

Edw. H. Johnson

Oath and Report
of Inspectors of election
of Stockholders meeting
Edison Ore Milling Co. Ld.

Jany 16, 1883

State of New York
City and County of New York } ss:

Edward E. Davidson and Charles F. Hannington, the inspectors of election at the annual meeting of the stockholders of The Edison Ore Milling Company, Limited, held on the 16th day of January, 1883, hereby

Report, that there were present at such meeting in person or by proxy, holders of Fourteen hundred and fifty five shares of the stock of such Company; that at such meeting thirteen thousand and ninety five votes were cast, and that all such votes were cast for the following named persons as Directors of said Company for the ensuing year:

Thomas A. Edison
James N. Bunker
S. B. Eaton
R. L. Cutting
R. L. Cutting, Jr.
W. L. Cutting
W. S. Perry
Samuel Insull, and
Frank McLaughlin

Dated New York, January 16th 1883.

C. F. Hannington
Edward E. Davidson

State of New York
City and County of New York } ss:

Edward E. Davidson and Charles F. Harrington being severally duly sworn, each for himself, says: that he will discharge with fidelity the duties of the office of Inspector of election of Directors of The Edison Ore Milling Company Limited at the annual meeting of the Stockholders held January 16th 1883; and that he will not receive any vote but such as he believes to be legal, nor reject any which he believes to be legal.

Subscribed and sworn to before me this 16th day of January, 1883

E. E. Davidson
C. F. Harrington

Wm H. Meadowcroft
Notary public
New York County

(1883)

Edison Ore Milling Co. Limited

For Directors 1883

T. A. Edison
Samuel Insull
W. L. Cutting
James H. Banker
W. S. Perry
F. McLaughlin
R. L. Cutting
R. L. Cutting Jr.
S. B. Eaton

Samuel Insull 19
Mrs A Edison 93
Miller Insull
Samuel Insull Jr 13
for Samuel Insull

1883

Edison Ore Milling Co. Limited

For Directors 1883

T. A. Edison
Samuel Insull
W. L. Cutting
James H. Banker
W. S. Perry
F. McLaughlin
R. L. Cutting
R. L. Cutting Jr.
S. B. Eaton

Chas. L. Clark
10 Shares

1883

Edison Ore Milling Co Limited

For Directors 1883

T. A. Edison
Samuel Insull
W. L. Cutting
James H. Bauler
W. S. Perry
F. McLaughlin
R. L. Cutting
R. L. Cutting Jr
S. B. Eaton

W S Perry 78
R L Cutting 120
R L Cutting Jr 168
S B Cutting 112
478 Shares

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(Copy)
Report of the Board of Directors made to the Stockholders of the Edison Ore Milling Co. LE. at the annual meeting January 16, 1883.

REPORT of the DIRECTORS

TO THE STOCKHOLDERS of the EDISON ORE MILLING COMPANY, LIMITED,

Made at the annual meeting held January 16th, 1883.

At your last annual meeting a report was submitted to the stockholders of the progress made with the separation of iron ore from the sea shore sand at Quonocontaug, Rhode Island, and also with the general business of the Company.

It appeared from such report that Mr. Edison was carrying on experiments regarding the milling of gold and silver bearing ores; also that many enquiries were being made for our magnetic ore separators. Some of these experiments on gold and silver bearing ores have been made at Menlo Park under Mr. Edison's direction, but owing to pressure of business, he has not yet been able to accomplish much in this direction. He has, however, made several inventions as to the separation of magnetic ore and of free particles of gold, for which patents are applied. We have also received a great number of enquiries as to the capacity &c., of the magnetic ore separators belonging to this Company, to which the fullest replies have been given, but we have not as yet succeeded in disposing of any machine. So that except for our ore separating works at Quonocontaug, R. I., mentioned below there is very little business to report for the past year.

It also appeared in the last annual report that separating works had been established on the sea beach at Quonocontaug, Rhode Island, and that a quantity of iron had already been separated and sold. At that time we had just secured our first customer for this ore, namely, the Poughkeepsie Iron and Steel Company. We had already sold them a cargo of iron, which had given such satisfaction that we received from them a further order for 200 tons, pending the shipment of which a proposal was made to us to enter into contract with them to supply them with all our product at the rate of about 200 tons per month. About the time we were ready to ship 150 tons of the order above spoken of, in fact just as the vessel was about to start for the beach, we received orders from the Poughkeepsie Company, not to ship this order. On enquiring into the cause of their rescinding this order, we found that they had burnt out their furnaces, were in financial difficulties, and had closed their works at Poughkeepsie. Therefore, negotiations with them were at an end. We thus met with a great drawback. This was the only Customer we had, and this one had been obtained after a great deal of trouble and some expense.

The reason of this lack of demand for the ore was and is that the ore is in such small particles and requires so great a heat to melt it that it is not possible to work it in an ordinary furnace, and can only be smelted in a furnace of special construction.

The ore which should have been shipped to the Poughkeepsie Company was thus thrown on our hands and we were compelled to seek another market for our product. Pending our attempts in this matter, we had to keep on part of our working force at the beach, so as to be ready to start up at such time as a demand could be created. We also sent a great number of samples to iron and steel manufacturers all over the country, not only to procure an immediate market, but also with the intention of creating a very large demand for this ore, in order that there might also be a demand for our separators in different parts of the Country. All this, of course, made it necessary to spend money for our pay roll at the beach and for hauling the samples to the nearest railway station, about 6 miles away.

After some time, we received an order from Messrs. Shimer & Company, Philadelphia, for 30 tons of ore, as a sample. They at the same time asked us to enter into a contract with them giving them the option to take 700 tons more within a specified time (30 days) at $9. per ton. Inasmuch as we were informed that these were good parties, and as we desired to get a Contract for a definite quantity of ore, we accepted such contract and shipped the sample 30 tons. Then came another period of waiting and endeavoring to sell more ore. At the expiration of 30 days Messrs. Shimer & Company requested 30 tons more for a further trial before ordering a large quantity. This also was shipped and we again

waited. We were informed, however, about the expiration of the time that they could not use this ore, and we were thus thrown again on our resources to find a market.

With this end in view a great number of people were seen and samples sent out, and after some time we obtained an order to ship 50 tons of ore to the American Swedes Iron Company at Rockaway, N. J. Preparations were made to ship this cargo, and the vessel went down to the beach for the iron, but parted her cable and went ashore on the rocks and was lost. Another vessel was obtained and the iron shipped. This last vessel, however, only got as far as Stonington, when it was discovered that she was leaking badly and could not go any further. Then came another transfer of the cargo to still another vessel, by which the iron was at length delivered. All this, of course, meant delay and expense.

In the meantime, as before, our pay roll and some other minor expenses had to be met. Then after the ore was received at Rockaway, the American Swedes Company said that it was not equal to sample and that they could not take it. This involved the necessity of sending for our Superintendent from Rhode Island to meet them and demonstrate that we had shipped the ore according to our contract and sample. He came on here and went to Rockaway and after some trouble succeeded in bringing them to ac-

cept the ore.

The American Swedes Iron Company smelted the ore in their furnaces, which are specially designed for ores of this character, and were so well pleased with the results that they ordered another cargo of 50 tons a week if this shipment was good. The ore was delivered to them, and they again objected to it as not being in accordance with their sample. This sample was one which they claimed had been given by us to them and was entirely clean. It was so clean that our Superintendent and others gave it as their opinion that it had been cleaned with a hand magnet. Our cargo of 50 tons was not as clean as the samples but was as we agreed to furnish it. The upshot of this matter was after another visit of our Superintendent to them, that we came to the conclusion to make a reduction on the price of the ore, rather than go to the expense of moving it away and running it through the separator again. This decision was also based on the fact that these people seemed disposed to give a great deal of trouble and did not pay promptly, besides, on the last visit of our Superintendent to their works, he saw that their mills were stopped and they were doing no work. This was not during the recent strike in the iron trade, but soon after.

Our experience with the American Swedes Iron Company, not only with these two cargos of ore, but for some time previously,

warranted us in coming to the conclusion that we should not be justified in attempting to do further business with them, as they have been uncertain and not to be depended upon.

Inasmuch, therefore, as we had no other customers for ore, and it being uncertain when a demand therefor would exist, it has been thought best to close our works at Quonocontaug, bring back the separator to New York, and so conclude the business of separating ore ourselves. This has been done, and our expenses at Rhode Island are now at an end.

In commencing this undertaking in August, 1881, we were assured by people in the iron business that there was an unlimited market for all the ore we could procure, and it was thought that we could realize the money invested, together with a profit. Our separator had not at that time been practically tested. It is true that Mr. Edison had made a great number and variety of tests at Menlo Park, and the machine had also been worked on the beach at Quogue, L. I., for a short time, but none of these tests had demonstrated what work the separator was capable of doing when it came to be run week in and week out on a commercial basis. It was thought both necessary and desirable that an experiment should be made to furnish us with such data, and therefore, the operations at Rhode Island were commenced. At the start and until after the first cargo of iron had been shipped, there did not appear to be

much difficulty in obtaining a market for our ore, and we expected to make a profit of about $4. per ton, but our market failed as above set forth and sales became spasmodic, thus putting us to expense without being able to realize any immediate returns.

Again, we have been placed under nearly every possible disadvantage in our operations at Rhode Island; we were 6 miles away from the nearest railway station, and 10 miles away from the nearest large town. Hauling was expensive and not always to be obtained, we had no harbor or inlet in which to load vessels, our beach being right on the ocean and without shelter of any kind. It has for this reason been difficult to get a vessel to take a cargo from the beach. In fact there have been an innumerable host of petty details, annoyances, and drawbacks connected with the operations at Quonocontaug, which apart from pecuniary matters, have been met and overcome with no small degree of patience and energy.

Notwithstanding all these disadvantages, however, we have made a practical demonstration of what can be done with the Edison Ore Separator, not only in regard to how much ore can be separated in a day and at what expense, but also in regard to the best method of setting up the necessary machinery to be worked in connection with the separator. All these conclusions have been arrived

at, however, by means of numerous experiments, the cost of which, is included in the plant and running expenses at Quonocontaug.

It should be said, that if we had had a regular market for our separated ore, we could have made a profit of about $3.50 or $4. per ton, even after taking into consideration all the disadvantages under which we were placed at Quonocontaug. It was upon this basis that the plant was kept in existence, and the expenses continued for so long a time, for the reason that if we could at any time before closing have found a regular market for all our product, we could have realized all the money we have spent and possibly made a profit besides. The difficulty is not with the ore, as that is of the best quality, but there is not a furnace in existence which will successfully and continuously smelt this ore, both on account of its fineness and of its being exceedingly hard and tough.

We submit herewith a summarised statement of the money spent on these experiments at Rhode Island and of the money received from sales of ore, &c. This statement shows the expenditures to have been as follows:

Plant.....	$ 2,672.39	
Running Expenses.....	4,144.00	
Miscellaneous.....	508.17	$ 7,324.56
And the receipts for ore sold to amount to.....	1,513.12	
Account due.....	250.00	
Sale of building.....	129.00	
Sale of Engine.....	600.00	2,492.12
	Balance.	$ 4,832.44

Showing the cost to the Company of the experiments at Rhode Island to amount to $4,832.44 .

It is not without a feeling of regret that your Board has felt obliged to cease operations at Quonocontaug without having at least realized enough from the sale of ore to pay back the money invested. Such is the fact, however, and after the most strenuous efforts which have been made to interest possible purchasers of ore, and after the diligent enquiries which have been made to find a suitable furnace in which to smelt the ore, both without success, we have deemed it most expedient for the best interests of the stockholders to close out the business and save any further expense.

We believe, however, that during the present year there will be a number of separators required for large deposits of magnetic iron in Canada and elsewhere. Mr. Edison also believes that during the present year he will be able to devote some time to the continuation of his experiments for the profitable milling and treatment of low-grade silver and gold ores, in which, if he is successful, there will be a future of vast profit for the Company.

1883-01-23

The Edison Ore Milling Company Limited

65 Fifth Avenue

New York, January 23rd, 1883

Dear Sir:-

I have the pleasure to inform you that at the Annual meeting of the Stockholders of the Edison Ore Milling Company, Limited, held January 16th, you were elected a Director of that Company. I also beg to inform you that a meeting of the Directors for the purpose of electing officers and to attend to such other matters as may be brought up, will be held at No. 65 Fifth Ave., New York City, on Friday, January 26th, at 3:30 o'clock P.M.

I hand you herewith Copy of a report made to the Stockholders at the above mentioned meeting.

Yours truly,

S. B. Eaton

General Manager.

Treasurer's Report
Jany. 1883
Edison Ore Milling Co. Ltd

1882 Edison Ore Milling Co in account with R. L. Cutting Jr Treasurer

Jan	27	S B Eaton	44332		Dec	31	Balance	627605	
"	"	T B McAllister	160				on hand 430 Edison Ore Mill		
"	"	Edison Machine Works	13647 25						
Feb	23	T A. Edison	3293 49						
"	"	Farmers Loan & Trust Co	250						
Sept	9	S B Eaton	100 32						
Nov	29	"	500						
Dec	30	Balance	164 67						
			627605					627605	
					1882 Dec	30	Balance on hand 430 Edison Ore Mill	164 67	
1883 Jan	15	Due S B Eaton	2400						

E & O E

R L Cutting Jr Treas
by Robt R Kent

1883

NEW YORK, February 6, 1883.

To the Stock-holders

SPRING VALLEY HYDRAULIC GOLD CO.

GENTLEMEN:—

I beg to lay before you a brief statement of the past year's work, and regret that it is not of a more satisfactory nature.

Since your last meeting, the production of the mine has been$227,967.41, ($16,000 of this will be cleaned up on March 1st, but goes to the credit of the past year) at a profit over mining expenses of $68,850.95. It was confidently expected, that, before this, we should have fully felt the benefit of the new tunnel, but it has taken very much longer than anticipated, to make the necessary opening in the gravel at the mouth of this tunnel. It was at first decided to make an opening all the way down to bedrock, but a very hard cement was encountered, which rendered this impossible, and a cut had to be run instead.

Although this tunnel has been finished for nearly a year, it is only since November that the gravel at its mouth was sufficiently opened up, to allow of profitable working. With the tunnel in full working order, and an increase of our water supply by a third, there is no doubt but that we shall obtain much larger results.

For the first six months of working the ground through the new tunnel, we only obtained $16,000, whereas during the past six months and during only about 2½ months of this time could the tunnel be worked to good advantage; the production was $53,000. For the first named period the yield per inch of water was only 15 cents, whereas during the last six months, owing to the greater facility of working as the opening became larger, the yield was 39 cents. There has been considerable outlay during the past year for necessary and permanent improvements.

The new flumes on the Butte Creek and Con Cow ditches have cost $8,624. For mantaining levees, $12 926, which includes $2,767 for Brush Dam to retain our debris and $1,015 for new and sub-levees. We have paid for land on which to dump our lighter debris $12,000, (this land will eventually be worth all, and probably much more than we have paid for it). Paid for mining ground $7,600, for new ditch and pipe to connect our increased water supply with present system, about $12,000, making a total of $53,150. No such outlay will be necessary for the coming year. We also expect to materially reduce our labor account at the mine, which has been very heavy for the past year, on account of the large number of men employed in making an opening to new tunnel up Saw Mill Ravine, and in other places where said labor can now be dispensed with. Our Superintendant recommends the immediate starting of drifting operations in portions of our ground that cannot be worked by hydraulic process, and writes that it will be a source of great profit and revenue tous. This will receive our earliest attention The indebtedness of the Company is as follows: Bonds sold $124,000, floating debt in New York, $33,000, and in California about $165,000. (The accounts for January not yet being to hand) which latter amount will be reduced by $15,000 on March 1st. I believe that the next 6 or 8 months' profits will go far towards extinguishing the greater portion of this floating debt.

It may however be necessary to procure money in the meantime for running and other expenses. Of the above indebtedness, say $307,000 in all, about $160 000 is for account of the United States Mining Investment Company, we having been compelled to carry that amount for them and for which we hold Spring Valley Stock as collateral. The debt proper of our Company including bonds sold is but about $147,000.

For any fuller information, I beg to refer you to the Superintendent's report and statement accompanying my report. In conclusion, gentlemen, I will say that although we have thus far been very much disappointed in our expectations, the Trustees still have the greatest confidence in the future of the property, and believe that now for the first time we are in a position to prove its value, and receive substantial results.

Taking into account our increased water supply, and the greatly improved character of the gold bearing gravel in Saw Mill Ravine, I see no reason why our gross product for this year should not largely exceed that of the past, and I am confident that our drifting operations which will be started as soon as possible will also largely increase the production.

Yours truly,

W. L. JENKINS, Jr., Pres't,

S. V. H. G. Co.

13 1883-02-19

W. BRENTON WELLING,
57 Broadway.
Mining Stocks and Unlisted Stocks and Bonds.
Crude Petroleum.

New York, Feb 19th 1883.

T. A. Edison Esq.
Menlo Park. N. J.

Dear Sir.

I have for sale 200 shares of the Spring Valley Mining Stock. The last reported sales here were at $2.50 per share. which we think cheap. as the property is beginning to make good returns.

Yours resp'y

W Brenton Welling

1883-02-26.

Consulate of the United States of America,

Auckland, New Zealand,

February 26th 1883

T. A. Edison Esq

New York

My dear Sir

I inclose herewith a letter from the Chairman of the Taranaki Iron Works. His company needs your advice and assistance. There are vast deposits of iron sand fringing the western coast of the North Island for two or three hundred miles yielding from 58 to 63 per cent of the best quality of the metal. This sand is also found in large quantities on the east coast of the South Island and in Stewart Island

and also in nearly all the creeks and rivers of the colony. I have this day forwarded to Washington for publication in the "Commercial Relations of the United States", a special report on the Iron Sand Deposits of New Zealand in which I have made mention of your Electric Ore Separators.

If you will put the business of the Taranaki Company in proper hands you can draw on me for any expense incurred. The financial affairs of the company are in excellent condition.

Accept assurance of the highest esteem and believe me

Sincerely yours.

G. W. Griffin

[ENCLOSURE]

1883-02-22

1883-02-24

Auckland,
New Zealand
Feby. 24th 1883.

Mr. A. Edison Esqre
Menlo Park.

Sir;

Through the courtesy & introduction of Consul Griffin of Auckland, I have the honor to bring before your notice the subject of the ironsand deposit on the Taranaki Coast of New Zealand, with the view of obtaining your advice as to working the material with your patent ironsand separators.

As Chairman of the "Taranaki Iron Co. Limited," of New Plymouth, Taranaki I send you a photograph of the smelting works, on which about $100.000 has been expended. Our smelting operations hitherto have not been attended with commercial success, & on behalf of the Company Mr. Griffin has advised me to apply to you for assistance.

The direct process of obtaining iron from the sand has just been introduced into New Zealand by Messrs Chambers & Gardner who are using Wilson's patent furnace, the rights of which they have secured for New Zealand & Australia, & I send you a newspaper account of their operations, which seem to be successful so far.

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[ENCLOSURE]

1883-02-24

Our company possesses the lease for a long period of a tract nine miles long of the richest deposit of ironsand in the world, containing about 84 per cent of peroxide of iron, & our views are that our works can be easily adapted to the production of iron by the direct process by some of the numerous patents now in successful operation in the U.S.

We would therefore ask you, if you can obtain for us the services of a thoroughly qualified & reliable man, who will be competent to come over here & erect works & conduct operations for us. Messrs Chambers & Gardner (who are not connected in any way with our company) obtained the services of a manager from the Dover Co. works at a salary of £1- per diem & a passage over & an increase contingent on the success of their works. We would be prepared to treat with someone on a similar basis.

We shall by the next mail write you again to confirm our views, and make the necessary arrangements to meet the cost of passage of manager, machinery &c, & in the meantime we would be glad if you will kindly make inquiries for a suitable person to come over.

I enclose also a list of the principal material on our works.

[ENCLOSURE]

1883-02-24

& probably the manager engaged will be able to judge what is necessary to bring over from America - The separator should be shipped as soon as possible in order to save time, by way of Sydney or Melbourne would probably be the quickest. He would leave it to you to select the best patent for working the sand both as to furnace & separator.

I send by book post a photograph of our works, the furnace of which is about 38 ft. in height.

Please address me,
New Plymouth.
Taranaki
New Zealand.

I remain, Sir
Yours obedt.
Geo. F. Ritso,
Chairman Taranaki Iron Co. Ld.

[ENCLOSURE]

1883-02-23.

"Taranaki Iron Co. Ld." New Plymouth.

Buildings & plant on 6½ acres of land.

Blast furnace. 38 ft. high 9 ft. wide at boshes
Blowing Engine.
Boiler & chimney stack.
Heating stove for hot blast.
Casting house.
Sheds for fuel &c.
Crab winch.
about 14,000 fire bricks.
" 700 large fire lumps.
" 200,000. Ironsand bricks.
" 60 Tons limestone.
" 200 " coal.
" 5000 bushels charcoal.
" 150 tons coke.
1 pugmill for brick making.
weighing machine, barrows & all necessary appliances & tools for working the blast furnace.

G. F. R.
23/2/83.

[ENCLOSURE]

1883-02-09

D HERALD, FRIDAY FEBRUARY 9, 1883.

THE ONEHUNGA IRONWORKS.

PUBLIC TRIAL OF THE MANUKAU IRONSAND.

YESTERDAY afternoon, the proprietors of the Onehunga Ironworks (Messrs. John Chambers and Gardner) invited a number of gentlemen from Auckland to witness the public trials at their furnaces of the manufacture of Manukau ironsand into iron. The party numbered nearly 50, and were taken out in two special carriages attached to the Onehunga two p.m. train. Among those present we noticed the Hons. Thomas Russell, C.M.G., James Williamson, H. Chamberlain, and Matthew Holmes (of Otago), Messrs. W. Swanson, T. Peacock, and F. J. Moss, M.H.R.'s, His Worship the Mayor (Mr. J. M. Clark), Drs. Purchas and Murray Moore, Messrs. D. L. Murdoch (General Manager Bank of New Zealand), G. W. Griffin (American Consul), T. T. Gamble (Agent Pacific Mail Steamship Company), W. Seed (Secretary of Customs), W. H. Hales (District Engineer), Thomas Hill (Collector of Customs), Graves Aickin (Chairman of Harbour Board), H. Atkinson (Manager Auckland Gasworks), E. B. Parsons (Secretary Auckland Gas Company), John Brigham (Secretary to the Harbour Board, M. Clark, M. Cesare (of Malta), E. Parsons (of Te Awamutu), Kennedy Hill (of Waikato), C. J. Stone, C. B. Stone, W Aitken, B. Tonks, D. H. McKenzie, H. F. Anderson, Jos. Banks, H. B. Morton, W. S. Laurie, J. R. Cardno, Champ aloup, Scherff, Kelsey, R. Fry, R. C. Barrow, A. Saunders, John Murray (Bank of New Zealand), T. Ching, James Mactarlane, and Edward Bartley.

It may be interesting in the first instance to recapitulate the history of the enterprise. For many years past Mr. John Chambers (formerly in the iron trade in this city, but now one of the managing directors of Messrs. T. and S. Morrin and Co., Limited) had been occupying his mind with the problem of how the Manukau ironsand could be utilised by its manufacture into the iron of commerce. He had endeavoured to have the question solved by experiments in the English ironworks, but fruitlessly. During his recent trip through America he made inquiries from the American ironmasters in relation to the same matter. Some months back Mr. Gardner (of New York) who is familiar with the American processes of manufacturing iron, came to Auckland, and he and Mr. Chambers agreed jointly to undertake the risk and expense of testing the matter practically. They came to the conclusion, as the result of Mr. Gardner's experience and observation, that what is known as the Wilson patent—that of Mr. Joel Wilson, of New Jersey—was the best adapted for dealing with the Manukau ironsand. A cleverly-contrived de-oxidising furnace is used, which enables the sand to be manipulated with ease and facility. Messrs. Chambers and Gardner have secured the patent rights of the invention for Australia and New Zealand. So satisfied was the patentee as to the effectiveness of the process that the consideration was made contingent on its success by actual experiment. It was determined to send to America for a practical ironworker, to erect the furnaces, and conduct the operations. One was secured in the person of Mr. W. H. Jones, formerly manager of the Rockaway Ironworks, Jersey, and who, before arriving here had been employed by Mr. Wilson (the patentee), in erecting furnaces. During the past few weeks he has been engaged in erecting the furnaces in the works, on which some £2000 has been expended. Meanwhile a 21 years' lease had been obtained of two miles of the foreshore of the Manukau harbour (South Head) and four miles of that at the North Head, where the ironsand deposits are found to the extent of millions of tons. There are facilities existing for loading up vessels inside the Heads at any time of the tide. A lease has also been obtained of 1000 acres of land on the North Head. The plant on the ground at present consists of a furnace 32 feet in height, a reverberatory puddling furnace, with the de-oxidiser over it, in which the sand is de-oxidised by the waste heat from the puddling furnace, and a magnetic separator. The ironsand is brought, sea from the Manukau Heads, and is in first instance taken to the separating shed where, by the aid of magnets, the iron is separated from the other foreign matter, and they fall into separate shoots. The ironsand contains from 70 to 75 per cent. of pure iron, after the separating process, but it is estimated that 5 per cent. is still left in the refuse, which is partly beach sand, with a small percentage of titanium. The ironsand thus cleansed, is then hoisted to the top of the furnace, into which it is introduced by a number of small openings into a series of retorts, where it is subjected to heat causing the oxygen to be expelled from the iron, thereby reversing Professor Barff's invention of coating iron with black oxide. After the expulsion of the oxygen the sand is in a wrought metallic state. Upon opening a valve any required quantities of red hot sand is run into the puddling furnace, where the carbon is burnt out of it, after which the iron is treated as in an ordinary puddling furnace, blooms being taken from the furnace and finished. Yesterday afternoon when the party arrived the operations were conducted in their presence, and the blooms when taken out of the furnace were removed on a trolly to the steam hammer, and shingled in the usual way. This shingling process is to force out all impurities and slag remaining in the iron. The result of the shingling was a bloom weighing about 1½ cwt. of wrought iron. Twenty of these blooms can be taken out in a working day, or 40 in 24 hours. The iron has to remain in the de-oxidiser 24 hours before it is ready to be put into the puddling furnace. This is being continually charged and run off. The puddler can make more iron from sand in the same time than from pig iron, the output being three tons per diem of 24 hours for each furnace. Greymouth coal was used at the trials yesterday, but Waikato coal is found to answer well, and will probably be used in future. For de-oxidising purposes either charcoal or Waikato coal can be used.

A siding from the railway comes into the works, and will run to the end of a wharf, which is to be built to Mill Creek. One great advantage is enjoyed in a large supply of excellent water from the Onehunga Springs. From the plan shown us ten furnaces are to be erected. These will be built in pairs. Between each pair of furnaces a tubular boiler will be placed, through which the waste heat will pass, thus utilising all the heat. The works are so laid out that twenty-four furnaces can be used, if required, to advantage, the forge rolls, squeezers, and steam hammer, being placed in the centre of the square. All the requirements for large ironworks are provided for. The site of the works is an admirable one, the sea on one side and the railway on the other, giving both water and land carriage.

At the conclusion of the trial and experiments the party adjourned, on the invitation of Messrs. Chambers and Gardner, to a marquee, where success was drank to the new enterprise in bumpers of champagne.

His Worship the MAYOR proposed "The health of the proprietors of the ironworks, Messrs. Chambers and Gardner." He said it was not the first time the experiment of making the ironsand an article of commerce had been tried, but this time he believed it had been done with success. He hoped so for the sake of the country, and for the sake of the gentlemen concerned.

Mr. CHAMBERS responded, and narrated the circumstances which led to the enterprise being undertaken, and his connection with Mr. Gardner. For some years past efforts had been made to make wrought iron direct from the ore. In the Scientific American of 23rd December last there was an account of Bromfield's process—"an English invention"—which lays claim to be able to make wrought iron by the direct process; but there the ore was broken, roasted, slacked with water, mixed with mucilage of seaweed, mixed with lime, pressed into bricks, and would then not be in such an advanced stage as our ironsand. All this was to avoid the expense of smelting the iron ore, which contained a large per-centage of the refractory matter which has to be extracted by melting the whole mass and drawing off the waste in the shape of slag. To make this melt a large per-centage of limestone is used as a flux, therefore to secure one ton of cast-iron two tons of material had to be melted, requiring two tons of fuel to do this. This required a costly plant, and, as they might imagine, a large outlay for coke or charcoal, and the product was of so little value per ton that they could not expect to compete with Cleveland or Scotland at present. The ironsand they had seen treated was almost pure, containing neither sulphur nor phosphorus—the two great enemies of the ironmaster—the one making the iron cold short, or brittle, and the other red short. In the proposed works the sand would not be touched by hand labour from the time it entered the works, but be dressed, separated, mixed and elevated into the de-oxidiser by simple machinery. From the de-oxidiser it falls into the puddling furnace, and comes out in blooms, which are made up with less labour than is required with pig iron. The cost of shingling and rolling into billets and muck bars, also of rolling into finished bars, had been estimated upon an advance of 25 per cent. on the Sydney and Melbourne rates of wages, and, working upon this basis, it was quite clear a large profit could be made. The cost of labour being higher here than in Europe, they had had to find out whether this direct process gave them sufficient advantage to counterbalance this, and they had no doubt but what it did. Pig iron for iron-making was worth in England from 45s to 80s (say 60s) for good quality per ton. Against this they placed 1½ tons ironsand, 10s, making 15s; charcoal, 20s; making 35s for charcoal iron, or 25s for ordinary iron made with coal. It was not proposed to use anything but slack coal, which could be placed here for 10s; and as the right to use Wilson's patent gas producers had been secured, Waikato slack would answer every purpose for these works. The quantity of imported bar iron last year was 8122 tons; hoop-iron, 757 tons; sheet-iron, 543 tons; plate-iron, 705 tons; fencing-wire, 9215 tons: total, 21,928 tons. It was proposed at present to manufacture only bar iron and wire, but the manufacture of hoop, sheet, and plate-iron, would no doubt come in time. The successful solution of the present problem would be to keep money in the country, absorb surplus labour, and to stimulate all the other operations of commerce.

Mr. GARDNER briefly responded to the toast. He was satisfied that there was a margin of profit of from £3 to £4 per ton in favour of iron colonially produced as against the English imported article; and that being so, he believed the speculation to be a profitable one. He hoped to see twenty furnaces on the ground before long.

The health of the working manager, Mr. Jones, was also drunk.

Messrs. CHAMBERS and GARDNER paid a high tribute of commendation to the practical experience and ability of their working manager, and the value of the services he had rendered.

As the bell was now ringing at the railway station notifying the departure of the train for Auckland, the proceedings broke up hurriedly, and the party came on to Auckland, having spent a very enjoyable afternoon at the Onehunga Ironworks.

New Zealand Herald.

1883-04-09

Washington, D.C. April 9, 1883

Thos. Edison Esq.
Menlo Park, N.J.

Dear:

I am part owner of what appears to be a very large deposit of pure platina, in such a state that it is very easily obtained. The metal seems to be almost pure, and the cost of working the vein will be very trifling compared with the process for silver. If you have any interest in the matter, I am fully empowered to give all particulars, and to negotiate for an interest in the mine. If you desire, I will furnish references as to my own business standing. The desire of the owners is to furnish samples of the metal, and to afford all facilities to any responsible party who wishes to examine with a view to purchasing an interest.

Very truly yours,

(over)

Geo. A. Gustin,
No. 611 - 13th st., N.W.

P.S. It may strike you as a wild statement, but the amount of the metal to the ton of mineral is nearly ninety per cent of pure platinum, and from the indications the mine is practically inexhaustible, as the vein can be traced for miles.

It may be well for me to add that I was Secretary to President Hayes during his term of office, and I can refer to him. In the event of your not wishing to engage in an enterprise looking to the development of this property, I will be glad to have you reply without delay.

Very truly yours

Geo. A. Grotin

[illegible]

Grotin

Ohio 383

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1883-04-13

Washington, D.C. April 13, 1883

Thomas A. Edison Esq.
New York.

Dear Sir:

Your favor is at hand. I did not hear from you by return mail, owing no doubt to my not knowing your proper address. The mineral has every indication of being platina, of remarkable purity. I have succeeded in forming a very strong company of representative men, and hope within three weeks to have something of interest to say to you on the subject. The metal occurs not in a vein, but in a deposit, in the form of small round pellets like shot, and irregular shaped pieces. It will not fuse under the blowpipe, and has a clear silvery gray fracture. It is somewhat mixed with iron in a corroded state. Three assayers have pronounced it to be platinum, although they confess that they have never seen the metal in a crude state before. I will, in the event that the final tests confirm our belief, forward you a good sample.

Very Truly Yours,

Geo. A. Gunting
No 611 13th St., N.W.

1883-05-18

The Edison Ore Milling Company Limited

RECEIVED
MAY 19 1883
ANSWERED

65 Fifth Avenue

.....188...
FILE No.....

New York.....May 18th,.....1883

Dear Sir:-

A meeting of the Directors of the Edison Ore Milling Company, Limited, will be held at the office of Messrs. R. L. Cutting, Jr. & Co., 19 William Street, New York City, on Monday, May 21st., at one o'clock P. M. for the purposes of organization and election of officers, and also for any other matters which may come before the meeting.

Yours truly,

T. Adams

General Manager.

G. K. LANSING, Manager.

ALLEN & DAM, Proprietors.

ASTOR HOUSE.

1883-05-28

ON THE EUROPEAN PLAN.
BROADWAY & VESEY ST.

New York, 28 May 1883.

Thos. A. Edison Esq
New York

Dear Sir,

I am much obliged for your letter of today, which is just to hand — I have little doubt, now that you have thoroughly got over the difficulty of cleaning the magnetic sand, which was completely demonstrated to me at Goerlitz, that I can introduce this one, and get it largely used by iron & steel men. It is a mere question of a short time, & will be the making of many of the "direct" iron & steel processes, which are nowhere without a pure one — Siemens process included — If I could only have gain Dr Siemens a pure one to begin with — instead of what was sent me, the thing would have been accomplished by this time — The United

2

States however, will be the chief field for Siemens process, with the pure sand deposited by your process — just at the moment the patent is locked up by the entanglement with the failure of the Siemens Andrews Steel Co, who had the exclusive license — Siemens agent, however, assures me that this will be all straight in about six weeks & the patent again in Dr Siemens hands, & then they can go ahead with this sand — I believe however on the strength of your letter just received that I can get some English capitalists to go in for separating almost at once — I am just returning to England — Your letter however lacks one point that will be an important question I shall be asked, that is what will be the cost of

1883-05-08

G. K. LANSING, Manager.
ALLEN & DAM, Proprietors.

ASTOR HOUSE.

ON THE EUROPEAN PLAN.
BROADWAY & VESEY ST.

New York, ... 188

2

collecting and delivering to wharf at Marsiv? You will have your men & superintendent there to separate, who could easily undertake this. Would you therefore go into this figure, & send it to me as soon as possible — to St Helens, dealing with proper trans, laid down to the heaps collected on the spot already, & trans laid to the wharf, which I would undertake to do, the cost should be quite small —

With thanks for the prompt attention that you have given to this matter I remain,

Yours truly
W. J. Mungeis

1883-05-31

Orw

FILED
JUN 1 1883
ANSWERED
FILE NO.

T A Edison Esq

No 4102 Spruce St
Philadelphia May 31st 1883

June 1 1883

Dear Sir

Since my interview with you yesterday it seems to me it is our interest to work together. You have a perfect and economical process of separating sand or rock magnetic ores from impurities up to 70 per cent iron, and I have a perfect way of working these fine ores into blooms or bars at one heat and with little labor upon it, as I decided to you. These blooms melted in the open Hearth furnace or the bars cut up and melted in Crucibles, I have the evidence of practical manufacturers makes a quality of steel equal to that from the best Swedish iron. One of the large manufacturers says after working several Tons of it, it is equal to Swedish but.

Now Swedish Iron average steel makers, now laid down in New York, about $75 to $80 per Ton, some brands commanding even higher prices.

If the Sand Ore cleaned and shipped to New York or Boston, was laid down at $3.50 per Ton of 70 per cent iron, the blooms by my process on a practical working scale in a large way, should be made for $24 or $25 per Ton, and melted in Open Hearth would not only make the finest quality for springs plates or any fine uses, but would compete as to price with other steels of an inferior quality, while the quality of this stock would enable it to command the market.

Now it seems to me the thing that would be for mutual advantage, would be to have a sample works located somewhere on tide water near New York, where

all my friends in Electric
Lighting - You will have to
pioneer the Company

I think Cook should have 1/2
& me & you the other 1/2 of
Capital Stock -

Edison

1883-05-31

the whole operation could be seen

Such a plant as would be required to make 40 Tons of Iron per day into Blooms would cost about $70.000 and there should be say $40 or $50,000 Cash Working Capital. I should prefer $150.000 Capital if we are to make 50 Tons of Blooms or Bars per day. If made into Bars that stock should take the place of Swedish importations. They would not cost over $30 at the outside, and even supposing the price of to days Cost of Steel iron, $60. per Ton the work would pay for itself in less than a year, after such under way, allowing a large margin for Contingencies.

Messrs Naylor & Co of Boston have tested my Mercy at their works in Boston and endorse its value for fine steel, and the Phoenix Iron Co have also tested it. Both of these concerns, I believe would become identified if a fair basis can be presented for their Consideration. As a first step in the organization of a Company for that purpose I would be glad to know from You

1st What you would sell the right of your separator for the separating of such ore as such a Comp as I have described would require — say 100 Tons of Sand ore per day throughout the year

2d How much of the Cash Stock on a fair and straight business basis, that would be acceptable to all interests, would you agree to take, to promote the Construction and operation of such Sample Works?

If You or your friends see your interest in helping to secure a part of the Cash subscription required I believe I can secure a fair majority, and thus give develope our respective interests, and at the same time make a very profitable manufacturing Iron Stock

Very Truly Yours

Charles C Dodge

SPRING VALLEY

HYDRAULIC GOLD COMPANY

REPORT

OF THE

SPECIAL COMMITTEE OF STOCKHOLDERS

NEW YORK
MAY, 1883

SPRING VALLEY

HYDRAULIC GOLD COMPANY.

REPORT OF THE SPECIAL COMMITTEE OF STOCKHOLDERS

APPOINTED TO DEVISE A PLAN FOR THE ESTABLISHMENT OF THE COMPANY ON A PAYING BASIS.

THE COMMITTEE, appointed at the Stockholders' Meeting of the Spring Valley Hydraulic Gold Company, held on the 30th day of April, 1883, submit the following report:

The object for which your Committee was appointed was "to devise a plan for the establishing of the Company on a paying basis, and to relieve it from its present financial embarrassment, and that such Committee confer with the Trustees as to the plan recommended by them, but that they be not confined to the carrying out of said plan, but consider any feasible plan."

Mr. Dennen, one of the gentlemen appointed on the Committee, attended the first meeting, and then resigned, on account of his living out of the city. The Committee took no steps to fill his place. They have held several meetings, and have examined the accounts and records of the Company, and have conferred with the Trustees and other officers and with some of the largest stockholders. At their request the Secretary of the Company has been recalled from California, and the books of the Company have been written up to May 1, 1883. A majority of the Committee has caused the books of the Company to be examined by Mr. William Calhoun, a professional accountant, whose report is herewith submitted, and they have made themselves thoroughly familiar with the history of the management of the Company and its financial troubles from the date of its organization.

Your Committee would state that while the production of your property has not realized the sanguine hopes of its friends, the present difficulties of the Company are largely due to the fact that your property came into your hands, in March, 1880, embarrassed by a mortgage of $100,000, which was in no sense a debt of this Company, and that all of your stock was paid over by the officers of the Company to the vendor before a good title was acquired by this Company.

Subsequently an agreement was entered into by your Trustees with the vendor, the United States Mining Investment Company, by which the said vendor acknowledged its liability on the mortgage, and your Company agreed to assume $195,000 of indebtedness of the vendor (being the amount of the mortgage [$100,000] and $95,000 which the Mining Investment Company had borrowed on its unsold stock), and also agreed to carry said stock (51,500 shares and 15,000 shares already held) until January 1, 1884, and not to sell until then at less than $10 a share. In return for these agreements on its part, your Company received a bonus of 5,000 shares of said stock and the right to sell the remainder after January 1, 1884, at any price, and apply the proceeds to the payment of said indebtedness. This agreement was afterwards partially abrogated.

Your Company has, in the meantime, been working the mines in California, and has been applying the proceeds to the payment of running expenses, the payment of the principal and interest of its indebtedness, the construction of a working tunnel, the purchase of necessary property and other improvements.

As to the value of the property, Mr. Walker, the Secretary of the Company, who has just returned from California, and Mr. Waldeyer, if he arrive in time, will give you some interesting particulars. The property is to-day undoubtedly more valuable and in a better condition for working than when it was first purchased. The total receipts from the mine, from the organization of the Company to May 1, 1883, have been, in gross, $571,046.62. The working expenses, exclusive of permanent improvements, are, we believe, about $11,000 per month.

Your Committee submit also the following statement of the accounts of the Company up to May 1, 1883, handed to them by the Secretary of the Company, showing in detail for what its indebtedness has been incurred, its amount, and the persons to whom it is owing.

Your Committee would state here that their employment of a professional accountant to examine the Company's books was not done by them because they thought that the books had not been properly kept, but simply because, in the absence of the Secretary in California, and on account of the pressure of their own private business, they could not give the time necessary to make the examination themselves. The report of the accountant, hereto annexed, testifies that the books are perfectly regular, and, in addition, the Secretary, since his return, has given your Committee all the information in his power.

ACCOUNTS OF THE SPRING VALLEY HYDRAULIC GOLD COMPANY, FURNISHED TO THE STOCKHOLDERS' COMMITTEE BY MR. N. S. WALKER, JR., SECRETARY.

A.—BALANCE

LEDGER SPRING VALLEY HYDRAULIC GOLD COMPANY

on May 1, 1883:

Capital Stock,		$200,000.00	Expense account,	$675.98
Bills payable—			Furniture account,	1,244.66
Due in N. Y.,	$81,000.00		Interest account,	1,722.35
Due in Cal.,	8,284.00	89,284.00	Maintenance and improvement of levees,	1,388.66
Bond sales account,		134,000.00	Lythold dam,	2,767.98
L. B. Cannon,		300.00	Mine expense account,	21,471.26
C. Campbell,		800.00	New ditch,	8,624.27
T. Dignan,		200.00	New flume,	16,737.88
Mrs. France,		1,639.87	Property purchase account,	243,599.74
David Gage,		3,500.00	Salary account,	300.00
Mrs. Hendricks,		2,000.00	Tunnel construct'n account,	112,717.92
W. L. Jenkins, Jr.,		2,246.12	United States Mining Investment Company,	161,694.10
Overdrafts at mine,		51,264.44	Maintenance water ditches,	1,404.08
Odd Fellows,		750.00	Balance (cash),	109.58
Production account,		13,172.09		
Profit and Loss account,		25,261.90		
Pay roll account,		6,407.82		
E. Ries,		1,100 00		
Spring Valley Com'l Co.		20,195.63		
David Tyer,		700.00		
John Tuhey,		4,000.00		
N. S. Walker, Jr.,		450.00		
Current account at mine (amounts due merchants for supplies),		17,186.59		
		$574,458.46		$574,458.46

Bills payable—		
Due in New York to Trustees and others,	$81,000.00	
Due in California,	8,284.00	
		$89,284.00

The above includes all the accounts of the Company to May 1, with the exception of the receipts and expenses at mine during April, the accounts for which are not yet to hand.

NEW YORK, May 11, 1883.

E. & O. E.

B.—STATEMENT

OF THE LIABILITIES OF THE SPRING VALLEY HYDRAULIC GOLD COMPANY

on May 1, 1883.

Total liabilities as per Ledger balance,			$574,458.46
From which deduct			
Capital stock,		$200,000.00	
Production account,		13,172.09	
Profit and Loss account,		25,261.90	
			238,433.99
Leaving as actual debt on May 1,			336,024.47
Less receipts at mine in April,		$21,145.09	
Minus estimated expenses,		10,625.52	10,519,57
Leaving debt after estimating April accounts,			325,504.90
Divided as follows:			
Bonds sold,		134,000.00	
New York debt,		83,246.12	
California debt,		108,258.78	
			325,504.90
There is interest accrued, but not due, in California, say			
On bonds,	$2,000		
On New York debt, say	4,430		
	1,750		
	$8,180		

RECAPITULATION.

Total debt, as above,	$325,504.90
Interest,	8,180.00
Due State New York for taxes (lawsuit just settled), say	2,200.00
Total liabilities,	$335,884.90

C.—DETAILED STATEMENT.

TO WHOM LIABILITIES ARE DUE.

CALIFORNIA DEBT:		Secured by
Bank California,	$33,515.12	
Rideout, Smith & Co.,	9,806.62	$10,000 bonds.
Spring Valley Com'l Co.,	14,743.20	$10,000 bonds.
Due on payroll account,	10,642.95	
Due on land purchases account,	6,184.00	
Due sundry parties for loans (unsecured),	5,950.00	
Due sundry parties,	11,139.87	$12,000 bonds.
Due various merchants for supplies,	16,277.02	
	$108,258.78	

NEW YORK DEBT:	
Due on account of land purchase,	$1,000.00
To Trustees and others, on demand, secured by $31,000 bonds and 6,000 shares stock,	82,246.12
	$83,246.12

May 11, 1883. E. & O. E.

D.—SUPPLEMENTARY STATEMENT

TO SHEET B.

Liabilities as per sheet B,	$335,884.90

The Company is also under agreement to give Charles Waldeyer, not later than January 1, 1884, $17,000 of its bonds in exchange for 8,000 shares of its stock, and a note of the United States Mining Investment Company for $17,000.

The amount of the mortgage on the property is $200,000, represented by 200 bonds of $1,000 each. Of these there are sold at par, less commission of 2½ per cent.,

	$134,000
There are held as collateral,	63,000
On hand,	3,000
	$200,000

STOCK.

The Company has on hand 23,500 shares of its own stock, which have been received from time to time from the United States Mining Investment Company, and there are 10,000 shares, also received from the United States Mining Investment Company, out as collateral, making 33,500 shares, of which 29,000 shares are subject to an agreement with the United States Mining Investment Company.

The other assets of the Company consist of the amount of $161,694.10, due from the U. S. M. I. Co., and the property and appurtenances. The latter cannot be made to appear in the accounts at any price near its cost or value, as only a nominal value of $200,000 was paid therefor. Any statement, therefore, of "assets and liabilities" made from accompanying Ledger Balance would be merely nominal.

NEW YORK, May 11, 1883.

E.—RECEIPTS AND EXPENDITURES

OF THE SPRING VALLEY HYDRAULIC GOLD COMPANY FROM ORGANIZATION TO MAY 1, 1883.

RECEIPTS.

From sale of bonds,	$134,000.00	
From sale of 9 shares stock to Trustees,	9.00	
From production of mine,	571,046.62	
From sale of stock received from United States Mining Investment Co.,	12,110.00	
From over-drafts,	51,264.44	
From Spring Valley Com'l Co.,	20,195.63	
From due payroll account,	6,407.82	
From loans and bills payable,	106,519.99	
From sales of hay and rents,	1,561.05	
From due to merchants for supplies,	17,186.59	
From due on account salary,	450.00	
		$920,751.14

EXPENDITURES.

Paid in dividends,	$50,000.00	
Paid furniture,	1,244.66	
Paid interest,	27,184.58	
Paid expense account,	22,290.38	
Paid labor, salaries at mine, powder, supplies, levees, ditches, and expenses of mining (a large portion of this can be charged to improvements),	456.193.14	
Paid improvements, new tunnel and flume, brush dam, new ditch for increase water supply,	140,848.05	
Paid property bought,	43,608.74	
Paid salaries in New York,	3,882.50	
Paid taxes,	11,756.83	
Paid stationery,	731.88	
Paid electric machine,	1,206.70	
Paid on account mortgage and for taking up notes of U. S. M. I. Co. in order to secure stock,	161,694.10	
Cash on hand,	109.58	
		$920,751.14

Having obtained these figures and other necessary information, your Committee proceeded to consider the various plans for relieving the Company, submitted either by its own members or by the Trustees or stockholders of the Company.

They have endeavored, in their deliberations, to secure that any plan they might recommend should contain the following among its main features:

I. That the indebtedness of the Company should be placed in such a shape as not to be continually pressing for payment.

II. That the Trustees should be relieved from all personal liability in the future management, and from the necessity of using their private funds and personal credit for the benefit of the other stockholders.

III. That this be done without material injury to the present stockholders.

IV. That the Company acquire immediately for the benefit of the remaining stockholders all the rights of the Mining Investment Company in the stock of this Company, and without thereby releasing more of the indebtedness of the Mining Investment Company than is equivalent to the market value of the stock obtained.

Your Committee believes that the following plan embodies all of the above features, and is the only feasible plan which is equitable to all the stockholders, large and small.

PLAN FOR THE RELIEF OF THE OWNERS OF THE SPRING VALLEY HYDRAULIC GOLD COMPANY FROM EXISTING EMBARRASSMENTS.

1. Organize a new corporation under the laws of the State of New York, with a capital of $500,000, divided into 500,000 shares of $1 each.

2. In consideration of 470,000 shares of the stock of the new Company, and of the assumption by it of the existing debts and liabilities of the present Company, let the existing Spring Valley Company transfer and convey to the new Company all its property, and undertake and agree, within a time to be limited, to secure subscriptions for the remaining 30,000 shares of the new Company.

3. Let 270,000 shares of the stock of the new Company be transferred by the present Company to one or more Trustees as security for the performance of this agreement, to be disposed of by him or them as hereinafter indicated.

4. Let the remaining 200,000 shares of the stock of the new Company be issued, share for share, to the holders of the stock of the present Company, on the surrender of their stock.

5. Let each stockholder in the present Company, and, in case of his refusal, such other persons as may wish, as provided in paragraph 7, be offered the option of purchasing a portion of the reserved 30,000 shares of the stock of the new Company, at par, proportionate to his holding of the stock of the present Company, and upon such purchase let the Trustee or Trustees above named transfer to him a pro rata portion of the 270,000 shares set apart, as above specified, in the ratio of nine for one.

6. Let the new Company place a mortgage upon all its property to secure bonds, bearing interest at 10 per cent. per annum, to an amount equal to the present debts and liabilities of the present Company; such bonds or their proceeds to be used solely for the purpose of discharging such debts and liabilities.

7. Inasmuch as a large number of the shares of the stock of the present Company are now owned by or pledged to the present Company, let the present Company transfer so much of the stock of the new Company as would properly be issued in lieu of this stock to such persons as shall purchase or accept the bonds of the new Company in the proportion which the whole number of such shares bears to the whole amount of such bonds secured by the mortgage, with the privilege attached of purchasing the proper proportionate part of the reserved 30,000 shares of the new Company, as mentioned in paragraph No. 5.

8. In case the whole number of the bonds of the new Company should not be placed, then, when all the debts of the present Company shall have been discharged by the new Company, let the stock still held by the present Company be disposed of as the new Company shall direct.

9. If any stockholder of the present Company neglects or refuses to avail himself of the right to subscribe to the stock of the new Company, as mentioned in paragraph 5, let any other stockholder of the present Company who desires it avail himself of that privilege. If no other stockholder desires it, let that stock be open to public sale with its attendant rights.

This plan is equivalent to putting an assessment of fifteen cents a share on the present holding, or ten cents a share on the new additional stock to be issued, and will put into the treasury $30,000 cash, and it gives to all paying said assessment two and a half shares of the new stock for every share of the old stock now held—*i. e.*, it leaves every one with the same proportionate interest with the Company that he had before. The amount of the assessment is so small that it is believed that it will not bear hardly on any stockholder.

The only objection to the above plan is that it cannot be carried out without the consent of all the stockholders. It may be that this cannot be obtained; but your Committee believe that the stock is so held that the expenditure of a little time in tracing it will enable the consent to be obtained, and the plan is so fair to all that your Committee think that an attempt should be made to carry it out.

Your Committee would also recommend that the Trustees of the Company be requested by the stockholders to make such arrangements with the Mining Investment Company as to cut off the U. S. Mining Investment Company from all their rights in the stock of the Company, by virtue of any agreement heretofore made.

In recommending this plan to the stockholders, the Committee would also urge that it be kept in mind that unless it or some similar plan be adopted, the result may be a practical wiping out of the stock of the Company.

The Company, although in possession of what we all believe to be a fine mining property, is to-day practically bankrupt, depending for its continued existence on the fact that its Trustees have carried its debts up to this time on their individual credit and responsibility.

Its capitalization is such that its Trustees are each personally responsible for a large excess of debt over the amount of the capital stock. This position they are naturally anxious to be relieved from, and your Committee would therefore recommend an increase of capitalization by any plan which will be just to all parties.

If this plan, or a similar one, be not adopted, there will be no means of providing for the payment of the mortgage coming due in July, 1884, and a foreclosure of this mortgage will wipe out all the stock.

NEW YORK, May 14, 1883.

Respectfully submitted,

BACHE MCE. WHITLOCK, *Chairman*,
JOHN J. JENKINS,
CHAS. A. POST,
W. BRENTON WELLING,
} *Committee.*

SUPPLEMENTAL REPORT.

Since the meeting at which the foregoing report was submitted and ordered to be printed, the Committee has held several meetings and has had a conference with the Trustees of the Company.

The Committee is assured by the Trustees that the plan set forth in said report cannot be carried out, because they say that the consent of every one of the stockholders cannot be obtained.

At the conference, therefore, with that fact in mind, and as a compromise between divergent opinions, it was agreed between the Committee and the Trustees that an increase of the capital stock by 100,000 shares was the next most feasible plan to the one recommended by the foregoing report.

While your Committee still think that an attempt should be made to carry out the plan originally proposed, yet they wish here to state that if the stockholders are unwilling to vote for such an attempt, or are adverse to the plan itself, the only thing remaining to relieve the Company from its embarrassment is an increase of the capital stock.

If this be done, and the increase be limited to 100,000 shares, making the total capital stock 300,000 shares, the position of each stockholder may be approximately shown by the following statement:

The owner of 100 shares would retain his present interest by purchasing 50 shares of the new stock at $1.00 per share.

If, however, he purchase 100 shares of the new stock at $1.00 per share, he doubles the number of his shares, while the capital stock has been increased by fifty per cent. only. This fact ensures that there will be no difficulty in placing the stock.

EXPLANATION.

Total number of shares of old stock,	200,000
Estimated number of shares that will subscribe,	130,000
" " " " " may not subscribe,	70,000
Total number of shares of new stock,	100,000
Estimated number of shares taken by old stockholders, as above,	65,000
" " " " that may not be taken by old stockholders, as above,	35,000
To this add number of shares of old stock in the treasury,	30,000
Total number of additional shares to be offered to present stockholders or others for second subscription, as above,	65,000

During the discussion of the plans above mentioned, the question arose as to how the moneys to be raised would be applied when obtained. Your Committee suggested to the Trustees that it would be well to ascertain this fact beforehand, since a large portion of the floating debt of the Company is owing to the Trustees themselves.

In reply to the suggestion of the Committee, five of the Trustees have written a letter, stating that, while they consider the moneys advanced by them to relieve the Company from its embarrassment ought rightly to be paid first, yet that they assure the stockholders that they "will apply the money first to the payment of the pressing demand debts in California." At the same time the said five Trustees have placed their resignations in your Committee's hands, to take effect as soon as the reorganization of the Company is completed, in order that the Board of Trustees in the future may be certain to represent the feeling of the stockholders.

New York, June 12, 1883.

Respectfully submitted,

BACHE McE. WHITLOCK, *Chairman*,
JOHN J. JENKINS,
CHARLES A. POST,
W. BRENTON WELLING,
} *Committee.*

E. O. M. Co

1883-06-04

RECEIVED
JUN 5 1883
ANSWERED
.....188...
FILE No.....

all my friends too deep
in Electric light to do it
E

No 4102 Spruce St
Philadelphia June 4th /83

Thomas A Edison Esq
Dear Sir

Your of the 2d is rec'd:

I find it hard to interest Capital in Iron making at the present time owing to its depressed Condition, notwithstanding the large profits promised by my process.

If you can manage to make up one half the Capital I believe I can get practical parties to make up the other half — The whole to be on a cash basis.

If this Could be done, then we Could get together and make an equitable arrangement of our respective interests.

I would be able to "pioneer" the Company and give it personal attention and believe it would prove very profitable — but I must have help to make up the Capital

Very Truly Yours
Charles W Dorsey

I sent an other letter to the Iron age which will bring Some out this week and which I should like you to see

1883-06-12

We have at Edison Machy.
Works 104 & 106 Grand St. a separator
8 or 10 tons for partly the other day
will operate as a sample of any thing of
sand sent us in machinery gives
pure sand ~~Hatch~~ William 130 St. N.Y.
per Chap
June 12th 83

Mr. ~~Thos. A. Edison~~ Machine passing
~~through~~ the 100 Times crude sand
in 10 hours

Dear Sir:

Edison

I am interested in metallurgical processes and in a furnace for making iron sands by the direct process. I have seen an article on the use of your concentrator in connection therewith and should be interested in seeing it work. Will you inform me where I may see the concentrator in operation.

Respy. yours
Edwd. Dwyer

1883-16-12

June 11th.

Edward [illegible], Esq.

[illegible] West 110 street, City.

Dear Sir:-

In reply to your letter of this date, I beg to state the machine you refer to is at the Edison Machine Works, 104 Goerck street, City. We separated from 8 to 10 tons of sand the other day, and should be glad to separate samples for you at any time if you will send them. The machine will separate pure within one percent, and will pass 100 tons of crude sand in 10 hours.

Very truly yours,

1883-06-15

To the Stockholders of the Spring Valley Hydraulic Gold Company:

Take notice that a meeting of the Stockholders of the Spring Valley Hydraulic Gold Company will be held at the office of the said Company, No. 61 Broadway, New York City, on Monday, July 9th, 1883, at 12 o'clock noon, for the purpose of increasing the capital stock of the said Company to the sum of three hundred thousand dollars ($300,000.)

The transfer books of the Company will be closed on June 25th, and remain closed until July 10th.

Dated, New York, June 15th, 1883.

W. L. JENKINS, JR.,
C. M. FRY,
A. F. HIGGINS,
A. T. SULLIVAN,
GEO. F. GEISSE.

Majority of the Trustees of the Spring Valley Hydraulic Gold Company.

1883-06-23

IMPORTERS OF
LANDORE FIRE BRICK,
PIG IRON AND METALS.

OFFICE OF

Philip S. Justice & Co.

LONDON OFFICE,
14 Southampton Buildings,
CHANCERY LANE.

PHILIP S. JUSTICE.
J. HOWARD MITCHELL.

14 North Fifth Street.

Philadelphia, Pa. June 23 1883

Edison Electric Light Co
New York

Gentlemen

I have been told that you have a Magnetic ore operating machine, by which you can concentrate magnetic ore, or sand up to 71% of purity!

Will you kindly give me some idea of this, with cost of machine, power to run it &c &c

Being interested in a mining operation, where such a machine might prove valuable, I would thank you for full details - Yours W. Howard Mitchell

13 June 23/93

J. Howard Mitchell

We have hardly quoted price of price on the ore separating as yet but are ready to enter into a contract to separate run through 50 to 1000 tons daily of ore or lease machines on royalty per ton.

Sea Sand containing 20 pct of magnetite is separated by one machine at rate of 75 tons in 10 hours the magnetite separated contains but 1 per cent of other matter (ie) white sand. — Edison

Consulate of the United States of America,

Auckland, New Zealand,

July 11th 1883

AUG 14 1883
ANSWERED

.....188...

FILE NO.....

Thos A Edison Esq
New York.

My dear Sir

I enclose herewith a letter addressed to me by Mr. M. S. Clayton in which he requests your services in the examination of mineral ore, samples of which I forward to you by the P. M. steamer Australia. Mr. Clayton is a gentleman of high character and [redacted] will promptly remit to you any cost incurred on his behalf.

As ever, sincerely yours
G. W. Griffin.
Consul.

[ENCLOSURE]

1883-07-11

Submitted to
T. A. Edison, Esq.

G. W. Griffin Esq.
United States Consul
Auckland

30 Insurance Buildings
Auckland. N.Z.
July 11. 1883.

AUG 14 1883
FILE NO. 1883

Dear Sir

In reference to our conversation re. metallic ore.

I beg to state that I accept your offer with thanks, and have packed a small box of ore from my mine: it is taken from a Reef of Quartz 8 feet wide, the tunnel is 40 feet in, this reef contains bands of this ore from six inches to two feet wide, it varies as we drive, the other portions of the reef is hard blue stone, with small specs of Pyrites in it. The quantity of ore I have out as per average sample sent is about 20 tons. If you will kindly ask Mr Edison to inspect the sample of ore sent and report upon it, you will confer a great favor. As the protection of the mine will be over in the beginning of October, could Mr Edison let me know whether the ore is payable before the end of September, so that I will have time to arrange for the future working of the mine; if the return mail will allow him time to do this, it might save me considerable expense.

I sent a quarter of a ton of this ore to our Rames

[ENCLOSURE]

on Thames battery - the results were 48 grains of gold to the 1/4 ton & 16 oz of silver to the ton. The tailings of pyrites gave 4 oz of gold to the ton, when assayed; how much gold, the lead in the ore, carried away no one knows. The Assayer tells me that this class of ore ought to be smelted; we have no works here. I believe if this mine were treated properly it would pay. This mine is about 10 miles from the Thames it consists of 20 acres of land the reef which crops out in two places in the ridge is at present 8 feet wide, there are about 250 feet of backs, and plenty of water power - I can put the ore on board ship at Auckland for about £4 per ton; when the road is made it will cost about £3 per ton. I have now told you all I know about it. If you will ask Mr. Edison he will only be asked upon the ore, but recommend a plan as to dealing with it.

You will oblige
Yours very faithfully -
M. T. Claylin

British Sly'ds Surveyor -

P.S. If this class of ore will pay. I could arrange to take up more ground for any Coy. a little distance away. M.T.C

1883-06-16

Consulate of the United States of America,

Auckland, New Zealand.

July 16th 1883

T. A. Edison Esq

Dear Sir

Wax Samples

I have forwarded to you, through the Department of State Washington, D.C the box of mineral ore referred to in Mr Claytons letter

Sincerely yours.

G. Welsh Jeffers

RECEIVED
AUG 14 1883
ANSWERED

.....188...

FILE NO.....

OK

1883-09-14

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, Sept 14th 1883

Maj. Frank McLaughlin

Dear Sir:

As requested by you I inclose estimates for building experimental furnace, and making steel from magnetic sand.

My estimates are based on the assumption of apparatus sufficient to produce one ton of steel a day.

If the work were done on a larger scale the cost would be considerably less.

The price given for separating is based on the assumption that you own the Quarry from which the ore is taken, that it is separated on the premises

Yours Respectfully
(Signed) M. R. Conley

RECEIVED
SEP 18 1883
ANSWERED

.....183...
FILE No.....

File

today

1883-09-14.

[ENCLOSURE]

Estimates

(1) Estimate cost of separating one ton of ore with Edison Separator with proper appliances such as dryer, Elevator Screws &c.
Sand to yield Twenty Five per cent — net coal $1.00

(2) Estimate cost of one ton of ore delivered in New York $3.00

(3) Estimate cost of furnace capable of producing one ton of steel per day $1000.00

"

Estimate cost of producing one ton of steel from ore based on assumption that two tons of ~~xxx~~ ore contain one of Steel

2 Tons ore delivered in New York separated	$6.00
Barbon	4.00
Fuel	5.00
Labor	6.00
Crucibles	3.00
Total	$24.00

$27.

I think it will cost $6. per ton for pure sand in New York

Furnace ought to be easily built for 1000 but you must have of first quality charcoal as handy to use rent is much in New York Edison

1883-09-15

Alaska Salmon Packing and Fur Company

BUSINESS OFFICE:

31 & 33 California Street.

MAX PRACHT,
Business Agent.

ALASKA SALMON PACKING AND FUR COMPANY
ISAAC H. HOPKINS, Supt.,
NAHA, ALASKA.

San Francisco Sept 15th 1883

Thos W Edison Esq.

Dear Sir

Since I had a correspondence with you about three years ago wherein you said you intended visiting Alaska I have been since expecting to now especially the season of the Knights Templar's conclave.

Since 1880 Alaska has developed some Excellent mines of gold the finding of Platina is not yet reported but I attribute that chiefly to want of knowledge of the general prospector I am satisfied it exists & need more scientific knowledge pertaining to it I would be very much pleased to learn how soon you will visit Alaska. & if you can advance any information of the matrix of Platina wherein it must find its origin like all other metals I shall be proud to learn as a schoolboy would his lesson

With Kind regards

Yours truly
I H Hopkins

Platina has never been ~~found in place~~ its found in gravel in panning gold white maleable grains are mixed with the gold – maleability is the test –

E

B. S. Pray & Co
India Building,
80 State Street

Will meet him
my Tues at 65 E

Boston September 25th 1883

Prof. Thos A. Edison

5th Avenue 12th & 13th Streets
New York City

Dear Sir

Mr Wm T. Curtis a friend who has lived in U. S. Colombia for a good portion of the last four years, has recently returned with samples of Platinum, Gold, Black Sand Etc taken mainly from properties controlled by him. His desire is to get at facts such as he thinks you can give him as to the value of Platinum in its Crude state & the extent to which it can be marketed. He also has a quantity of Black Sand from the River Beds there which parties here claim to be very valuable. His collection of the mineral and Vegetable products of that Country might possibly interest you. My object in addressing you is to know if you would kindly grant him an interview sometime most convenient to your goodself after this week. If so I shall be very glad to bring him to your City for that purpose, and shall appreciate your kindness in the matter.

Respectfully Yours
B S Pray

List of Stockholders of the Edison Ore Milling Co Oct 23/83

Atterbury J C	3
Arnold W O	2
Bassett F E	1
Banker Jas H	390
Brant John	5
Bell Isaac	1
" E R	1
Brenan Dan'l	7
Betts C S	16
Brigham H B	9
Briggs Edwin	5
Geo Broadhead	5
Butler H B	5
Bull W L	10
Butler Wm A	5
Batchelor Chas	100
Chilton B E	3
Conner W E	10
Covell Robt S	5
Colt S P	2
Cropsey J W	1
Conner G B	10
Detting R L Jr Treas	430
" W L	37
" Wm	20
" R L Jr	168
" R L	120
" " Jr & Co	3
" J D W	112
	1498

Forward 1496

Clyne Jas	15
Cantman C L	5
Champ Jas	30
Cleveland R N	1
Clarke Henry J	1
Chas L	2
Campbell M J	2
Deacon Chas H	3
de Puskas Francis	3
D'Wolf B D	2
Emery Isaiah S	1
Emerson H J	2
Edison Thos A	933
Eaton S B	5
Elder Geo W	5
Frankenfeldt Augt	10
Fox Edwin M	7
Freeborn Thos	10
Foote Fred. W	2
Gregory W F	5
Gedson W J	3
Griffin Stacklow L	5
Goss Philip	5
Garner Wm H	5
	2568

3

	Forwd	2568
Gray H W		10
Hayes Jas		7
Howe H A		1
Hopkins Arthur		2
Howard Geo L		12
Hunting N L		16
Hunter Jas		10
Herrick Sophie B		1
" J H		4
Holden H A		18
Insull Saml		14
Johnson W L		2
" Edwd H		15
Kohlsaat Jno W		4
Kennedy G H		4
King Marietta A		1
Kaiser F		3
Lewis Chas H		45
Lowery G P		50
Loring Jas B		1
Livingston Herman		2
Lumbris Benj R Jr		13
Logan Jas C		3
		2806

Forward	2806
McLaughlin Frank	120
McCready N L	1
McMahon Wm	1
" G W	8
Mansfield H B	15
McKisson G W	3
Mitchell Jas	3
Morse S W	11
Moller & Co	8
" Fannie B	4
Mali John J	2
Mann Mrs E A	2
Mecker W B & Co	40
Moller N G	50
Mecker Grace H	10
Mahoney Elizth N	10
Owens W J	1
Parker Jas	1
Patterson H A	2
Parrott Mary A	2
Perry W S	78
Potman A J	1
Porter Jno K	34
Perry Alex J	2
" W S & Co	4
Puskas & Saportas	5
Quinn E A	1
	3225

Forwd	$225
Roberts Henry O	5
Renwick Jas A	1
Stewart J	10
Steane W H	1
Sawyer G W	33
Stone O G	18
Strong Sarah L H	1
Sutton Augustus A P	3
Sturgis Emily E	5
Schroeder Chas	2
Scott Geo S & Co	50
Saporas A J	5
Terrill Susan T	2
Taube Hy	5
Taylor C H	5
Upton F R	4
Wheeler W B	14
Wood F P	5
Warden Mrs A A	10
Washburn Geo W	1
	$500

I hereby certify that the foregoing is a correct list of Stockholders of Robinson One Milling Co at the close of business Oct 23 1883

R J Sandford T.C.

39
Nov 24/83
Mr Taylor 2 oz
requests Mr E
to assay Rome
ore for them

1883-11-24.

RECEIVED
DEC 10 1883
ANSWERED
Dec 10/1883
FILE No.

City of San Francisco
is most trustworthy
man in the US

Yellow Springs Nov 24th 1883

Mr T. A. Edison.

Being interested in mining & following this ~~same as my~~ occupation and having heard briefly that you are Mineralogist for the Government this thought occurred to my mind that perhaps by writing you and finding out your proper address. It would be the means of getting information which I need, we are working a Mine in Blackwell district these two years sinking a shaft and have excellent looking Ores and plenty of it, but so far have failed to find any Assayer who will candidly give us the true returns, some we have every reason to believe they are swindlers and only care about getting our $3.00 hence this chief reason

why I write to you to ask what my chances would be to send you some Ore for Assay, we are both poor men and cannot afford spending $3.00 every time for Assays. and another point we have been led to believe that the candidly believe the half of Assayers do not know it's composition and it is still more plentiful than the Ledges we are now working, so if your reply is satisfactory we would like to send you two big samples for Assay and two for your Cabinet if you keep one.

I sent you one sample last summer but received no reply and came to the conclusion I must have addressed you wrong T. W. Edison.

A reply and proper address to us will Oblige Your's Respectfully

W. Taylor & Co.

Yellow Springs

Jackson County Oregon

New Plymouth
Taranaki
New Zealand

T. A. Edison Esqre

Dear Sir,

I beg to acknowledge with thanks your's of April 16th per Ironsand.

Crude petroleum is not at present found in New Zealand, & I have not been able to ascertain the cost of importation. What quantity is required to produce a ton of blooms.

Coal of all qualities we have in great abundance, & very cheap. Charcoal is also cheap. I understand "Wilson's" process deoxydises the iron by means of charcoal. I send you a prospectus of a proposed Co. to work Wilson's process. Their figures shew an enormous profit to be made if successful.

I believe our iron sand contains less titanic acid than than in the W. S. One analysis gives.

Magnetite	71-0
Titanite	8-0
Quartz & Olivine	21-0
	100.0.

Another analysis

Peroxide of iron	88.45
Oxide of titanium with silica	11.43
loss.	0.12
	100.0.

(1)

I could forward some of the ore, if thought advisable for experiment.

Awaiting the favor of further communication, I remain,

Yours faithfully

Geo. F. Rito.

(1883)

Estimate Cost to Separate Sand and at Niagara

Containing	25 %	Magnetic Iron	at 70 p. Ton
"	30 "	"	60 " "
"	35 "	"	55 " "
"	40 "	"	50 " "

Running Expenses per day to run 100 Tons Sand Tailings

Dryer & Separator	
Drying, Fuel 1 Cord Wood	$ 3 00
1 Man to tend dryer	" 1 00
1 Engineer #3 per day	" 3 00
2 Men General work in mill	" 2 00
1 Man to tend Separator	1 00
Fuel & oil for Engine & Machinery	1 00
Wear & tear on Machinery & Mill	1 00 $ 12 00

Edison Ore Milling Co.

Offer open for 30 days (1883)

Will contract to separate not less than 10,000 tons of magnetic in 3 months ~~having not more than~~ Pure within one per cent of ~~non magnetic material~~, at the following prices; the ore to be delivered at the separator free of charge to us

If the ore has 25 percent of magnetic material = ~~per ton pure~~ ~~per cent~~ $2.75 per ton

30 percent.	2.35
35 "	2.00
40	1.88
50	1.75

We will furnish the whole plant for separating except ground buildings

We will also if required agree to put up plant sufficient to produce with 25 percent ore 30000 tons per ~~month~~ year within 1 percent in 3 months ~~Each year for~~ consecutive years

CABLE ADDRESS—EDISON, NEW YORK.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 188

Edison Ore Milling Company

Original Recording 3000 Shares
Morning 3 "
Total 3003

Transfers made:-

C. H. Lewis	700	Shares
J. H. Hunter	400	"
A. L. Colling Jr	400	"
J. W. Sorden	200	"
J. MacLaughlin	50	"
A. L. Colling Jens	50	"
H. B. Connery	20	"
E. M. Fox	5	"
J. McLaughlin	100	"
[illegible]	10	"
Chas. Satchler	100	"
C. R. Clarke	10	"
C. H. Johnson	20	"
J. R. Upton	5	" ? He had more stock than this
		Total 2970
		On hand 33

E. M. Fox = he still holds this Certificate for 5 Shares

1883. New York Laboratory (D-83-069)

This folder contains correspondence, test reports, and other documents relating to Edison's New York laboratory, located in the Bergmann & Company factory building. Most of the documents are by Edison's associate, John F. Ott.

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence with suppliers; routine intraoffice communications.

Mr. Edison,

Regarding the question I have asked about the basis upon which Mr. Bergmann assesses the rent of your laboratory, I note that further information is denied me. I will report to the Directors accordingly. Doubtless they will order the rent paid, but not on business principles; but because you requested it to be done. I will accordingly ask them to do so, although not on business principles.

This tendency to deny legitimate information to us, makes me hesitate about giving an exclusive license. I think the proper policy for Bergmann to pursue is to be perfectly frank and open, and not to deny reasonable information.

S. B. Eaton

Jan. 19th. 1883. per M.G.

Major Eaton I write to you in my own handwriting that method Bergmann pursued in getting at the rent Bergmann I find perfectly frank & gave me the method, I now tells me you wanted the Exact cost of the building - very well I will have Bergmann give it to me; = If I am sure of Bergmann had set his rent on business principles, we should not have got it for more 10 pct on the Cost of Building because no business man would rent on this principle. He would add depreciation — more than 10 pct = over

Your language would indicate indigestion —

Edison

But I get many enough without your saying anything —

Yours

29

Jan. 19. 80

Edison Phonomotor Laboratory

W. & [illegible] Lithographing Co.
[illegible] N. Y. City.

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

No 1 1883-04-10

NEW YORK April 10 1883

Mr Edison
Dear Sir

I have Force make glass vessil to fill with City gass and fasten carbon, with an arc, by depositing hydro carbon

Had Lew make clamping device to tie ~~fast~~ drawn fibers on:

Had Bergman repair small rolls, to roll out platinum wire for clamps,

Made small device to cut of sleaves for clamps.

Fastened fiber on inside part by depositing hydrocarbon with an arc under petrolaum, this worked to a sirtan extent, it being impossible to deposit suficent quanity around the clamp and fiber, as it has a tendency to build up in threads and not in lump

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

No 2 1883-04-11

NEW YORK April 11 1883

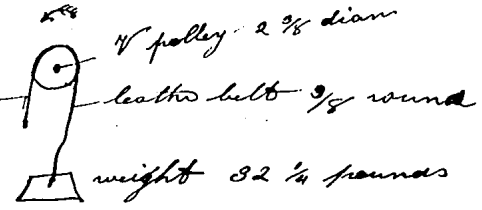
The small armiture is finished and tested, I ran it an hour without raising the heat the least, I also ran a belt over the pulley and put 14½ pounds on ~~diminish~~ without diminishing the speed much,

I then made the following test

Ran Motor without load
speed 3820 rev,
resist in Field 6.$\frac{7}{10}$ ohms
resist in Armature 10.$\frac{56}{100}$
length of Armature 6 inch
diam of Armature 2 $\frac{7}{8}$
div 26
Com 13

I then loaded the machine in the following manner

This almost stoped the motor



1883-04-10

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

No 8

NEW YORK April 11 1883

Had Bergman put on two more bars on field magnets, which I think will intensify the field, and much improve the motor,

Hamilton is working on motor experiment.

Kelog made two models for Bergman showing the winding of armature, to avoid mistakes.

I shall have more experiments to tested tomorrow

Yours truly

J. F. Ott

41 1883-04-20

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Alt

NEW YORK, April 20 1883

Mr Edison
Dear Sir

I tested small motor, and it ran up to a speed of 4466 rev.
Pulley loaded to 82 pounds brought speed down to 66 rev.
resistance in Arm. 10.77
" " " Field Mag. 11.65
90 Volt pressure on line,

I sent brushes with large wires to Goric Alt for Mr Andrews to test,

I also tested lamps on pumpes and found the contact not sufficent in clamps and I easley know how to improve the contact as the fibers are made of size fibers and the moment you bring pressure to bare on them they will shift and break or crumble, while that of the bambow being one fiber, and will stand

more strain. Also tried bambo that stood very well untill I reached 50 candle power then one clamp melted but the fiber was still good untill it finly gave out

Yours truly

J. F. Ott

1883-05-11

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK May 11 1883

Mr Edison

The following is Test made with meter motor

Lamps	Rev	Dif	One minut
2	31 3/4		
2	31 1/2		
3	49 1/4		
3	50		
4	61		
5	70		
6	77		
Cutting	out		
5	74		
4	66		
3	53		
2	37		
1	13 3/4		

Since I have changed the motor it runs quite some easier

I also finished hand Arc Light

1883-05-11

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 188

for Mr Moore to go with the Scientific Expedition,

We also succeede depositing Cromium by using Bicromate of Potass that had bin used in battery

Yours truly

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK June 12 1883

Mr Edison
Dear Sir

I mad several tests on sets
Made saturated solution of Cynide
Potass put in with mercury and
before an hour it began to crystallize
and in two it formed quite a
hard crysp, although it had
a good afect the Cynide caused
the mercury to amalgumate with
the Nickle surfices,

I then emtyed the
dash pot and ran it to assertain
the curve of friction, but found
that the mercury offered to much
friction, as increasing the surfice
contact would increase friction and
disable it of runing on eaner a larger
number of lamps, as it is now
when clean mercury is put in one
lamp will not run it, and when
run with a load for a length of

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 188

time two will not start it,
and quite some oxide was seen on
the surfice

The following is curve of
friction

Lamps	Turns	Diff
2	90	22
3	112	26
4	138	30
5	168	25
6	193	35
7	228	36
8	264	38
9	302	2
10	304	

Near the speed ran up to high
to count as the registrator would
not indicate

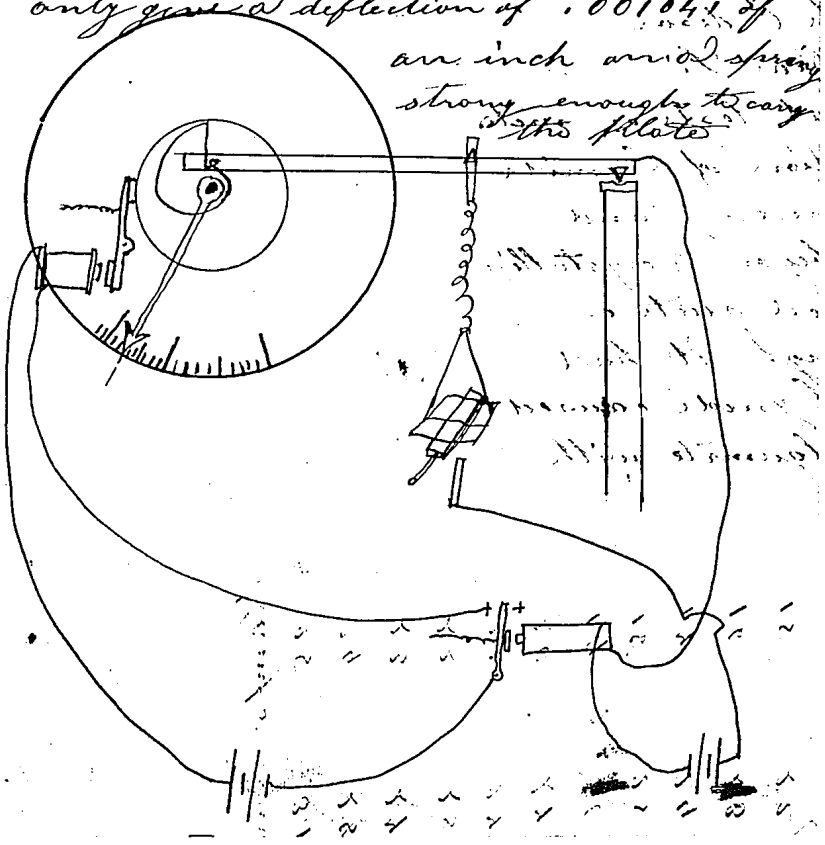
Then filled dash pot
with Glycerin and obtained
the following curve

Lamps	Turns	Dif	Time one minute
25	31		
24	28	3	
23	27	1	
22	28	regulator stuck	
21	27 1/2	1/2	
20	27	1/2	
19	26	1	
18	25	1	
17	24	1	
16	23	1	
15	22	1	
14	20 1/2	1 1/2	
13	19 1/2	1	
12	18	1 1/2	
11	17	1	
10	16	1	
9	14 3/4	1 1/4	
8	13	1 1/2	
4	4 2/3	8 1/3	
3	2 1/3	2 1/3	

2 would not work

This curve gives a much better reading than the one sent you June 9, 1882

Conant is making a beam to weigh mete plates he got some rubbish stuck in it and I helped him out and told him to make it after the following manner, as eighty milogram only gives a deflection of .001041 of an inch and spring strong enough to carry the plate



1883-06-12

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

5

NEW YORK, 188

This deflection on a radius of 30 inch with a Micro would give only 1/16 of an inch, that would have to be divided into ten to read a tenth M. G.

Yours truly
J. Ott.

1883-06-22

New York June 22 1883

Lamps	Res	Diff	Turns
1	1		1 = 8
2	1		1 = 40
3	3	2	1 = 3
4	5 1/3	2 1/3	1
5	6 3/4	1 5/8	1
6	8 1/4	1 1/2	1
7	9 1/2	1 1/4	1
8	11 [illegible]	1 1/2	1
9	12 1/2	1 1/2	1
10	14	1 1/2	1
11	15 1/3	1 1/3	1
12	17	1 2/3	
13	18 1/2	1 1/2	
14	20 1/2	1 1/2	
15	21	1	
16	22 1/4	1 1/4	
17	24	1 3/4	
18	25 1/2	1 1/2	
19	27	1 1/2	
20	28	1	
21	29 1/2	1 1/2	
22	31	1 1/2	
23	32 1/4	1 1/4	
24	34	1 3/4	
25	35 1/4	1 1/4	
26	36	3/4	
27	38	2	
28	39	1	
29	40	1	
30	41	1	

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

1883-06-22

NEW YORK June 22 1883

Mr Edison
Dear Sir

The meter gives a much better test with the new lamps and I altered the automatic regulator made it more sensitive it responds to 1/2 Volts diff pressure

At the ~~table~~ end the lamps were 1/2 Volt higher making the diff reading only one instead of one and a fraction

I also received word from lamp factory that they were not able to take out the carbons without breaking them so I shall make up another lot and send them to the lamp factory

Yours truly

J. H.

1883-07-03

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, July 3 1883

Mr Edison
Dear Sir

Inclosed you will finde a list of Chemical mixtures we tried with spark of Induction coil and quite a number that worked,

On the 5 I shall try small motor that is if Mr Bergman has it ready,

Yours truly
Off

1883-07-10

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Fall off want to see you friday

NEW YORK, July 10 1883

Mr Edison
Dear Sir

I have tested different size cores on small motor, I finde that the larger cores give a trifle more power, but increase the speed, that is due to the drop of current by increase of speed or other words counter Electromotoforce, where the magnets are slightly magnetised, in order to increase the magnetism it wants an increase of Counterevolutions on field Magnet

Motor as it was

	Cores long	thick	speed
	5 1/2	1 1/2	32.58
New	6 1/2	1 3/4	35.80
Larger	7 1/2	2	37.42

Yours truly
Off.

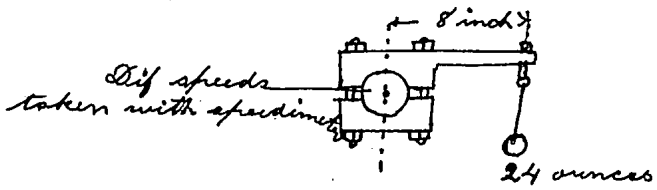
1883-07-12

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK July 12 1883

Mr Edison
Dear Sir

I made another test on small motor with prony brake in the following manner



Using the same polar extentions and armature only changing Magnet cores, you will notice the drop the same as in previous test.

668 rev balenced 24 ounces
Cores used were $1\frac{1}{2}$ thick $5\frac{1}{2}$ in long

590. rev. " 24 ounces
Core used were $1\frac{3}{4}$ thick $6\frac{1}{2}$ long

(John Ott)

1883-07-12

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK 188

546. rev balenced 24 Ounces
Cores used were 2 inch $7\frac{1}{2}$ in long

Each of these tests were repeated three times and the average taken,

You will observe that our line has only 87 volts pressure,

I finished two drawings for motors and send them down to Bergman he has started on them, and will soon have the meter finished

I have all the tools finished for making the clamps to clamp bamboo fiber, and told Martin to make enough stock to make 25 lamps and take them to Lamp factory and have them blow them in and see what they are worth

Yours truly
J. F. Ott

41.

July 24 1883

John Ott

re his making some rough experiments on small meter

1883-07-24

New York July 24

Mr Edison

Dear Sir

I made some rough experiments on small meter and the shunt will not work practical I cant use contact points and change quick enough without causing a flicker in the light and the sparks would soon destroy them so I would be compelled to use flat switch contact and that would not be practical as it is nessary to have a certin pressure on it, to insure a good contact,

from experiments I tried the current of one lamp is very small to act on a switch with had given pressure on it, without going to a great expence in copper by puting on a large number of countinolutions even then the friction would very, and that would alter the reading, saying nothing of the change of resistance produced by the constant sparking.

So I found the differential is the only perfect system to work it by taking a medum size magnet winding it $\frac{1}{10}$ Ohm resistance the differential 100 Ohms, throwing in the 100 Ohms only lowers the factor of loss, through resistance and causes no flicker in lamps I have tried this with 10 lamps through One ohm, and differential 100 ohms and saw no flicker, and causes no spark vissable to the eye, ~~ordinarily~~ ordinarly

Yours truly

J. F. Ott

1883-08-04

New York Aug 1. 1883

Mr Edison
Dear Sir

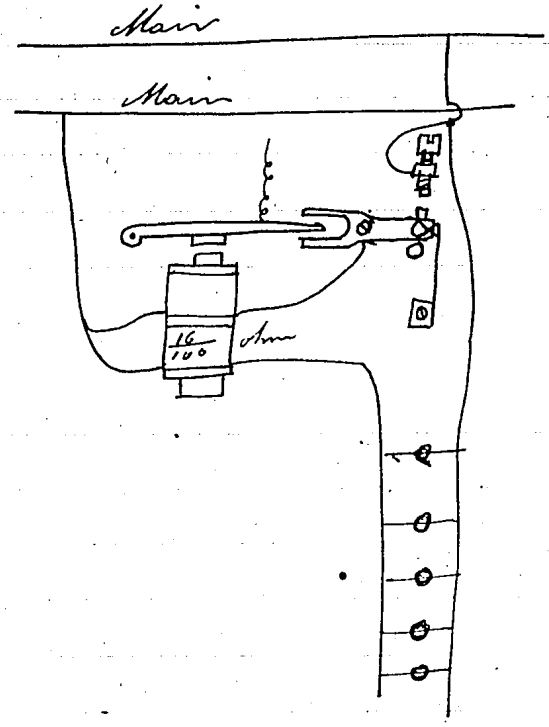
The light Meter experiment has not given very faiverabl results;

The make and brake contact, when made to worke with one load will not work with another, or in other words the same adjustment will not do for different noumber of lamps,

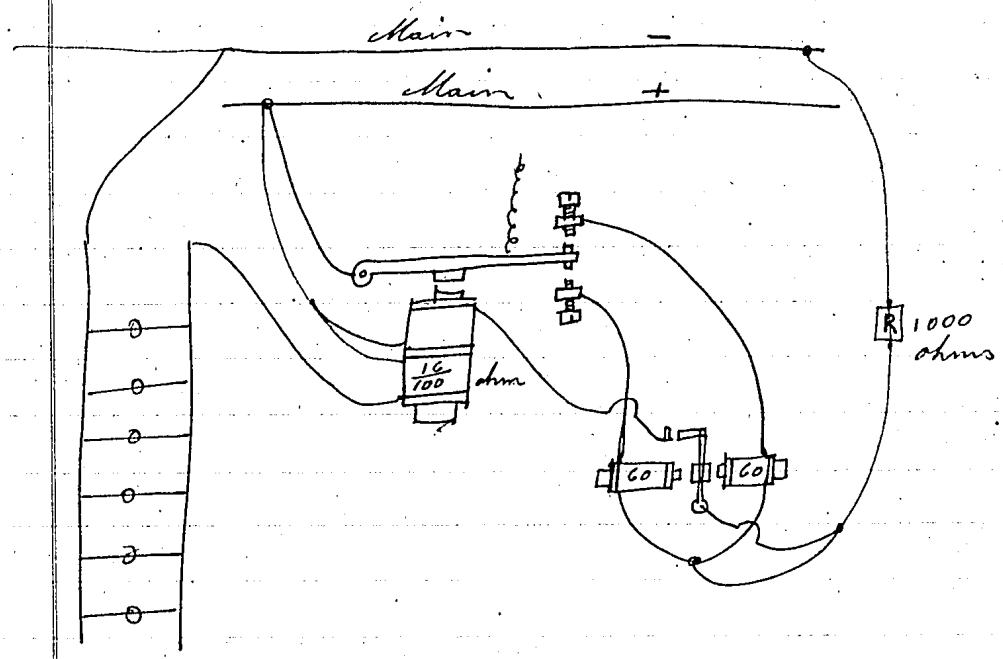
So I made a slight change and found the stroke of the lever perfect to different loads; but the curve is rather something odd, they run in the following manner

Lamps	Time	Strokes	Diff
1	1 min	6	$4\frac{1}{2}$
2	1	$10\frac{1}{2}$	$\frac{1}{2}$
3	1	11	1
4	1	12	0
5	1	12	

Connections as they were first



Connections changed to this plan



The speed is not increased much as the load is added as the up stroke always is the same only the down stroke is increased, the first load makes quite some difference after that the speed does not count much,

And for the other meter the Nickle Mecery has given some thowbel that I am about to remidy,

Martin is making the clamps for clamping carbons and shall be ready in a few days to go to lamp factory,

I have not received the small engin to run the four B light Dynamo, will you please give me an answer what to do about it

Yours truly

J. F. Ott

1883-08-09

Aug 9. 1883

RECEIVED
AUG. 11 1883
ANSWERED
Aug. 14. 1883
FILE No.

Mr Edison

Dear Sir

I tested small meter and it works. O.K. from one lamp up to 8 lamps then the magnet seems to be saturated and drops off

Lamps	Strokes	Diff
1	5	13
2	18	13
3	31	13
4	44	13
5	57	13
6	70	13
7	83	13
8	96	13
9	107	11
10	118	11

What further shall I do with it

Yours truly
J. Otto.

1883-08-22

Aug 22. 1883

Mr Insell

Dear Sir

Received at the Laboratory
One Check Valve 3/8 inch
" " " 1 1/2 " "
" " " 3 " "
" " " 3 1/2 " "

Have you found out about the distill, and what shall I do about it,

Also please let me have a copy of the list for things sent over here

Yours truly
J. F. Otto

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, [illegible] 188[illegible]

Mr Edison
Dear Sir
[illegible] received 150 pounds
of Sulphate of Zinc but no
Mercury,

Would have sent another
package to Mr Chinnick as per
[illegible]

Yours truly
J. F. Ott

1883-10-22

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK Oct 22 1883

Mr Insull
Dear Sir

Received Paragon Cable from Ansonia. The following sizes

Real No 376. 39. lbs
413. 33
414. 34
415. 11
416. 25
418. 43
419. 19
420. 24 and not 34

~~No 375. 40. lbs sent to Bergman~~
~~417. 32 "~~

~~The taped and braided wire not received here~~

~~Sent to W D Rich Lawrence Mass 25 lbs Line Sulf 10 lbs Mercury~~

1883-10-24

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK Oct 24 1883

Mr Insull

Dear Sir

Received 409 lbs No 16 Tape Braided wire,

And sent 100 lbs to

W. J. Jinks;
Edison Elec Illg Co
Brockton Mass

Yours truly
OB

100
41
100
400
$41.00

1883-11-21

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, Nov 21 1883

John Ott Esq
Laboratory
295 Ave B
City

Dear Sir:

Have you on hand any twelve ~~six~~ light meter bottles, plates and rubber parts?

You sent to Lawrence sixteen 12-light meters but they were unaccompanied by extra parts plates or bottles and if you have any in stock we want to know the number and we will then give you shipping directions for them.

Yours truly

Thos. A. Edison

New York Nov 2. 83

RECEIVED
NOV 2 1883
ANSWERED
.....188...
FILE No.....

Mr Tate

Dear Sir

I did not receive enney extra parts with the meters when I received them. and I have non in the Laboratory

Yours truly

Otto

Nov 2/83
Otto

1883-11-10

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, Nov 10 1883

Mr Tate
Dear Sir

I weighed one reel and found it weighed what was marked on it, so I took for grant that at weighed as they were marked,

And this reel you speak of some one came and took it away with another reel to take to Brockton and left the weight with one of the boys and this boy is sick so I have lost the weight,

I wish hereafter you would give an order when you send for things so that I may file them, and when you send goods send them so that we know who they belong to, I have received several things apearntly adressed to Bergman but he says they are not his

J. F. Ott

Material on hand at Laboratory
Nov 11th. P.A.E. Corsh Dept.

205 lbs. No 10 D.B. House Wire Black,		.25	51	25
212 " " 10 " " " " White,		.25	53	00
538 " " 12 Paragon Cable Red,		.44	236	72
209 1/2 " " 14 " " "		.44	92	18
277 " " 18 " " " 37 1/2 lbs sold		.44	121	88
Sold-39 " " 16 " " White		44	17	16
36 " " 16 D.B. House Wire "		.29	10	44
211 " " 18 Paragon Cable "		44	92	84
141 " " 12 " " "		.44	62	04
sold 54 " " 16 Bare Copper Wire		.24	12	96
sold 81 1/2 " " 14 " " "		.24	19	56
sold 716 " " 10 " " "		.24	171	84
sold 208 " " 9 " " "		.24	49	92
sold 36 " " 8 " " "		.24	8	64
sold 151 1/2 " " 6 " " "		.24	36	36
sold 580 3/4 " " 5 " " "		.24	139	38
sold 854 " " 4 " " "		.24	204	96
sold 107 1/2 " " 3 " " "		.24	25	80
sold 273 1/2 " " 2 " " "		.24	65	64
sold 385 " " 1 " " "		.24	82	40
sold 415 " " 0000 " " " 135 lbs sold 290		24	99	60
sold 31 " " 000 " " "		.24	7	44
2 Resistance Boxes for "S" Machines		$32.90/100	65	80
532 Temporary Fixtures		40	212	80
3286 lbs old grate Bars		.03	98	58
1 - 10" Galv. Elbow Right Angle			11	90
2 - 8" Iron " " "			14	00
1 - 9 1/2" Tee with 3 1/2" outlet			7	00
2 - 3 1/2" Elbows Right Angle		48		96
1 - 3 1/2" Tee with 5" outlet				90
1 - 3 1/2" X Connection			2	40
2 - 3 1/2" Pipe 18" long w. Flanges			3	36
1 - 3 1/4 " 19 1/2" " " "			1	96
9 ft 5" "			6	08
2 - 38 ft Belts 10" Double Thickness endless		52.50	105	00
2 - 29 " " 8" " " "		35.75	71	50
2 - 38 " " 10" " " " sewed		52.50	105	00
Carried Forward			2369	25

Bro't Forward.

	Forwarded		2369	25
2200 lbs Old Scrap wire all sizes		.124	28	00
300 Fibro Cleats		.3544	1	05
172 V 44 Cutout Branch		.28	48	16
98 V 45 W.L.		.25	24	50
252 Lag Screws to hold Cross Arms (121 lbs)		.06	7	26
4 C Connections V 109		77	3	08
3 " " V 111 Small		63	1	89
80 " " V 111 Large		63	50	40
256 Wooden Insul Pins		.03	7	68
73 Iron Washers for Lag Screws			0	00
11 Tin Shades w NK Sockets P.B.	Shades .50 NK .32		9	02
2 NK Sockets " "		32		64
150 lbs No 12 Iron Wire	115 lbs	.05¼	8	25
46 " " 6 " "		.05¾	2	63
14½ " " ¼" Guy Rope Iron		.09	1	30
21¾ " " ½" " " "		.09	1	96
368½ " " ⅝" " " "		.09	33	16
12 Revolution Indicators (S.L. Ales) 1 Sold - 12-10-1884		29.00	348	00
3 - 2 Gallon Copper Still and Condenser		11.20	33	60
6 " " " " "			20	00
1 Volt Box (Rec'd Bay Pony P.)			35	00
1 Old Style Pressure Indicator			27	65
1 New " " "			35	00
1 Pair Climbers			2	02
3 - 1" Brass Check Valves		1.00	3	00
1 American Steam gauge No 8		4.00	4	00
1 Braman Low and Co " " 8		4.00	4	00
10 V 107 Connections for No 8 Wire		1.72	17	20
2 House Boxes		4.20	8	40
18 V 107 W.L. Connections for No 2 Wire		1.89/100	34	02
3 Brass Oil Cans Straight Spouts	Cancelled		0	00
1 " " " Side "			0	00
1 " Tray			4	40
1 Plain 12" Bracket No 62			1	19
204 Plugs for V 44 + 45		.04	8	16
20 V 64 Safety Catch Holders for 7/16 Wire		1.40	28	00
17 V 110 Connections		.29¼	5	00
			3216	87

Brot Forward

1 Gate Valve 2½" (Lever)		3216	87
1 House Changing Switch small		7	50
1 No 6 Injector (Schaffer & Budenburg)		116	00
17 lbs Distilled Mercury	.58	9	86
~~Rs & NY Connections~~		0	00
1 – 3½" Gate Valve (Hand wheel).		13	50
1 – 3" " " " "		12	00
140 lbs Commercial Sulp Zinc (Lehn & Fink)	.10	14	00
275 " C P. " "	.12	33	00
		3427	68

1883-11-13

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, November 13th, 1883

John Ott, Esq.

292 Avenue B, City.

Dear Sir:-

Please send me samples, about eight inches long, of the different sizes of cable that you have on hand at the Laboratory.

Yours truly,

Samuel Insull

These seven samples are all the insulatted wire I have at Laboratory

Ott.

1883-11-15

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

RECEIVED
NOV 25 1883
ANSWERED

.....188...

FILE No.....

NEW YORK Nov 15 1883

Mr Tate
Dear Sir
I received all the Paragon Cable, with the exception of the White Paragon.

You sent the cases to Bergmann & Co and not stating who they charge, so Mr Fogel kept them stored in shiping room untill by chance I spotted them, Then they answered they did not know who they belonged to and was awaiting the bill.

Yours truly
J. F. Ott

Please make duplicate of my bills so I can give to Mr Ott

1 Coil #14 Extra White Paragon
Extra Fine (1¼) Cbs - Vn 63

1883-11-22

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK Nov 22 1883

Mr Tate
Dear Sir
I send Mr Geo Gower 25 pounds Zinc Sulphate

Yours truly
Ott

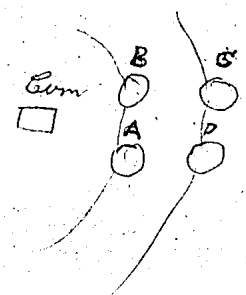
1883-12-10

Dec 10. 83

Resistance of Armature

[redacted] 72. Ohms

Resistance of Coils of field Magnet



A 400.4
B 377.7 lais not
C 411.9 stated
D 400.9
1591.3

Turns on Armature

204 in each loop and 12 loops makes 2412 turns

JP

(JOHN OTT.)

1883-12-13

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, Dec 13 1883

Mr Tate
Dear Sir
Please charge Mr Bergmann with 62 lbs No 18 Paragon Cable he received Dec 12 from the Laboratory

Otto

62 lbs No 18 at 42 c $26.04

62
42
124
248
$26.04

T. A. EDISON,
65 Fifth Avenue.

Electric Pen. —
Dup. ink.

1883-12-19

New York, December 19th, 1883

John Ott, Esq.

292 Avenue B, City.

Dear Sir:-

Please make up about two gallons of the duplicating ink, and notify us when it is ready.

Yours truly,

Thos. A Edison

This ink was ready Dec 22
I also notified you Dec 22
and received no answer

J. F. Ott

The cost to make this ink
is one dollar per gal
not counting boys time
he receives no pay

1883 12-26

Form L.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, December 26th, 1883

John Ott, Esq.

292 Avenue B, City.

Dear Sir:-

We enclose herewith shipping receipt for three boxes, which contain 1,923 lbs. of .271 copper wire, which please hold at the Laboratory subject to our orders.

Yours truly,

Thomas A. Edison Constn. Dept.

By

This wire is from Hazletown Pa

Enclosure, a.

Postmaster

[MEMORANDUM BY JOHN OTT]

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, 3 (1883) 188

Sent to Cent St Pearl St
35 lbs Zinc Sulph. 10 lbs Mercury

(1883)

Form L.

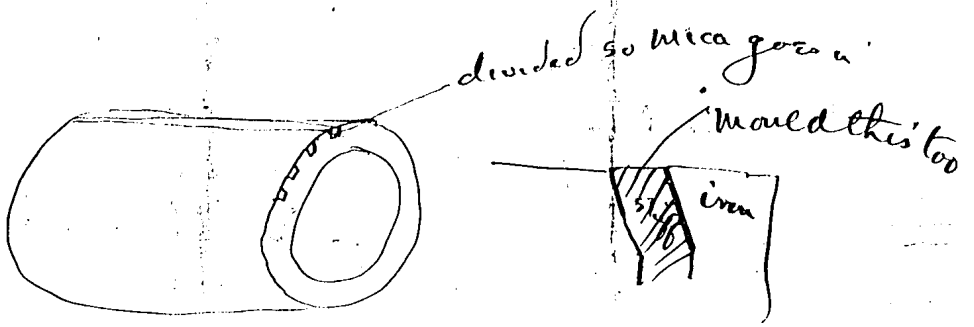
THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

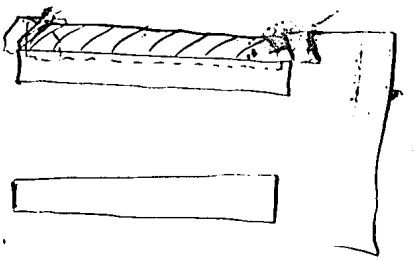
New York, ... 188

John Ott =

We have great trouble with The Commutators of all our machines the bars get high or low. & thus make great sparking = The Mica being built up ~~when~~ with Shellac when the Commutator gets hot it contracts & Expands & gets bad — I have made a slate cylinder on which the bars rests ~~at~~ but it split, You know Bergmann moulds the safety plugs by using Oxide Magnesia & Chloride Magnesia & mixes so get a of the stuff — You will remember Conant tried a number of Experiments which are recorded in book you have, The pure stuff without any mixture set as hard as stone so please go ahead and see if you can mould large pieces, say a shell. go down to Soldan & get the exact size

of the shell & thickness he will allow also the bevelled end pieces & try and mould them in a plaster of paris mould or otherwise -





You see I want to displace the mica entirely on ends & bottom of bars - but not between as the mica works all right between bars'

Edison

(1882)

BERGMANN & CO.

ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, 188

John -

Take the Marron Malagraph Motor that works so good and fix it up with the Sounder Closing Malagraph put it in good shape as I want to take the whole thing down to the Commercial Cable office -

C.

(1883)

4

get me some soft paper that is unglazed and that is porous like pencil pads that you cannot write on get it about 2 or 3/1000 thick I want it large enough to go between the tin foil in the Condensers that Martin made that is to say as large as the lined tissue you used I want to make a dry secondary battery = get about 10 lbs of it it can be got down in Beekman St at regular paper warehouses about 10 or 15 cents a pound

(Edison)

1883. Patents (D-83-070)

This folder contains correspondence to and from Edison's patent attorneys, along with other correspondence relating to patent applications, patent litigation, and other patent matters. Included also are other patent-related documents, such as patent applications, caveats, and preliminary statements.

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: duplicate copies of correspondence; printed copies of Edison's U.S. patents (see Thomas A. Edison Papers Microfilm Edition, Part I, reels 1-2); copies of Edison's claims; other inventors' claims, specifications, and patents; correspondence and other documents concerning non-Edison patents, except when they relate directly to Edison and his work; routine bills and receipts from patent attorneys; routine correspondence from patent attorneys regarding accounts and fees.

Application files for Edison's domestic and foreign patents can be found in the Patent Series.

1883-01-01.

T. J. HANDFORD.

42, Southampton Buildings,
London W.C. Jany 1 1883

E. H. Johnson Esq
The Edison Electric Light Compy
65 Fifth Avenue
New York
U. S. A

My dear Mr Johnson,

I have just received your favour of 14th ults and was very glad indeed to hear from you.

Re the unfortunate Delaney matter I feel somewhat sorry that you do not intend to proceed further with the patents as all the money that I have advanced in respect of them hitherto is simply thrown away. My account rendered to Col Gouraud amounts to £81 in all (that is including the duties I paid last June as I explained to you) and he repudiates all liability saying that it is entirely your affair. Now although you told me that if Col Gouraud refused to settle my account you would do so, I do not wish to ask you, after the very great kindness you have shewn me, to pay all this sum, but I would propose under the circumstances that we should bear the loss equally – that is to say that you should hand me a remittance for say £40 and thus enable me to strike off from my books and get out of my mind a subject which from the very commencement has been attended with disagreeable accompaniments and which no doubt has been as distasteful to you as it has been to me.

With regard to the progress of my business I must say my connection with Mr Edison has not been such an unmixed good as might have been expected. As I now find, it tends to deter electrical people (and even persons who know me well) from coming to me as they infer that an agent who is so throughly identified with Mr Edison's interests cannot be trusted to advise them impartially on inventions which may be said to run parallel with his. Of course the notion is altogether a mistaken one but still we cannot remove from peoples minds false impressions – I must rely therefore

(2)

upon the business which I shall receive from Mr Edison and Mr Edison's connection being sufficient to compensate me for any loss I may sustain in this way — The Edison Company have instructed me to look after the duties payable to keep up their patents —

I have received from Mr Dyer some of the important applications to which you refer and I must here take the opportunity of thanking you most sincerely for your continued recommendation and support.

I have had a visit on the subject of these new patents from Mr Waterhouse who seemed inclined to suggest that the final specifications & claims should be settled by Counsel and in this coincided very much with your view.

Now to be candid, personally I am not much impressed with the advantages of this course, as I think a man who has drawn something like 2000 specns on all subjects, has prepared opinions and reports upon questions of invalidity & infringement by the hundred & also disclaimers, cases for Counsel, instructions for scientific witnesses & briefs for Counsel in patent Actions — must be more

competent to settle claims than a barrister who is occupied with so many other things besides patents; and I have moreover frequently found that "in the multitude of counsellors" there is "confusion" rather than "wisdom" — However if the parties interested wish to have the assistance of an independent person in settling these specns, I shall be happy to co-operate with him it is after all chiefly a question of pounds shillings and pence, as we can have the advice of the most eminent authorities if we are willing to pay for it. — or I should think an electrician who knows something of patents but who is not himself a patentee would be the best man if further assistance is considered desirable.

I shall be most happy to communicate to you from time to time anything which may transpire bearing upon your Light patents — I had heard nothing of the misgivings of the Company's scientific advisers — My own idea is now what it has always been

1883-01-01

T. J. HANDFORD.

42, Southampton Buildings,
London W.C. 188

that the claim under No 8 patent is too broad. – My view is this, you cannot legally claim a carbon filament of high resistance; it was well known prior to the date of No 5 patent that high resistance was advantageous (Mr Edison had himself disclosed this fact) and it was also well known that carbon was the best material for the burner. Therefore it seems to me quite apparent that the fact that a carbon filament of high resistance is a desideratum was a part of the then existing stock of public knowledge – But no body could produce carbon in this filamentary form which would answer the purpose – There Mr Edison comes in with the discovery that by carbonizing a natural

(5)

vegetable fibre such a filament may be obtained. Now this in my opinion is Mr Edisons invention & if the claim had been limited to that in my judgment it would stand. Had I been consulted when the matter was laid before Counsel I should have urged most strongly the advisability of cutting down the claims. Just turn the matter over in your own mind & I think you will see the force of my conclusions, which are the result of much anxious consideration

Yours very truly
W. Handford

P.S. I find the new points in the important applications just received are very fine & it will be exceedingly difficult to base valid claims upon them

I wish you most heartily the compts of the season.

(6)

GEO. W. DYER,
519 SEVENTH STREET. Lock Box 100.
ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)
WASHINGTON, D.C.

Jany 2.8

Jany 2. 188 3

Dyer bill at 8 o'clock
Yours to Bell Telephone
E

Mr Thos. A. Edison.
65. Fifth Ave. N.Y.

Dear Sir

Allow me to call your attention to the necessity of getting ready to testify in interference matters, and particularly in that of yours & Latimer and Weston, on electroplating points.

In this case the parties have been put off month after month, and cannot be put off much longer. I would like if possible to have you start in on this testimony next week. I know how absorbing your present labors are, and how interesting, and useful, and how disagreeable it is for you to quit them, but the fact remains that unless you give some time to the interference, they will soon get into a snarl, you will fail to obtain delays by consent, you will have judgments against you growing out of delays, and will have to remove these labors only, and after all, have to testify.

Another matter. I have investigated, at request of the Light Co. the dynamo application of Altenieck, and have reported to Dido. As these cases now stands, the Western Union Co. through a former interference, are the only parties, who of right, can oppose the issue of a patent to Altenieck, with claims upon the long cylindrical winding of armatures. Latterly, I have been doubtful of the good faith of the W. U. Tel Co. in opposition, as the chances seem so good for their making a favorable arrangement with the owner of the Alternate invention. I have written repeatedly for weeks to have the Roland affidavit filed, so as to get a standing in opposition in the Patent Office, and understand from Dido, that the proper papers were executed long ago, and have been in Major Cultbers hands all this time.

I think this matter of sufficient importance, to merit your personal attention.

I enclose my acct for 100. on the Magneto Interference.

Yours truly
Geo. W. Dyer.

GEO. W. DYER,
519 SEVENTH STREET. Lock Box 100.
ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)
WASHINGTON, D.C.

2

188

1883-01-04

T. J. HANDFORD.

Handford
12, Southampton Buildings.
London W.C.

Jany 4 1883

T. A. Edison Esq
65 Fifth Avenue
New York U.S.A

Dear Sir)

I beg to confirm my letter of 2nd Inst, in which however I find, in the hurry of writing amidst the pressure of business to catch the post, I inadvertently referred to the American bankers as Mess Mortons instead of Morgan (Mq J. S. Morgan & Co)

I received yesterday your telegram & am obliged by your instructions to Mess Morgan – I have thus been enabled to obtain from them a further sum of £83" 2" 0 for which I have handed them a receipted account.

I am Dear Sir
Yours faithfully
T J Handford

Daniel H. Chamberlain.
Walter S. Carter.
William B. Hornblower.
Eugene H. Lewis.

Chamberlain, Carter & Hornblower,
Attorneys & Counsellors at Law,
346 Broadway,

New York, 5 Jan'y 1883

Thomas A. Edison, Esq.
65 Fifth Ave.

Dear Sir:-

You suggested when we talked of my going into the Western Interference case, that you would go over the testimony already taken with me, & give me suggestions of different lines of investigation. Can you do this but one of an early day? If you will make an appointment for me at your office, I will be glad to call & bring the testimony.

Yours truly

Eugene H. Lewis.

LAW OFFICE OF
BALDWIN, HOPKINS & PEYTON.
Wm. D. Baldwin.
Marcus S. Hopkins.
Joseph I. Peyton.
(PATENT BUSINESS EXCLUSIVELY.)
25 Grant Place, Washington, D. C.,

Jan.5,1883.

S.B.Eaton,Esq.,

Pres't.Edison Electric Light Co.,

65 Fifth Ave.,New York City,N.Y.

Dear Sir: I have been unable until to-day, owing to the pressure of other matters, to get the copies of the patents about which we had an interview on Tuesday last in New York. I send copies of the ten patents so far granted. By the mail

We have some fifteen applications now pending, and have made further inventions toward perfecting the systems we have originated, for which improvements we are about to apply for patents. The nature of these applications and inventions we cannot, of course, disclose at this stage of the negotiations between us. The majority of the applications now pending are for batteries per se; and after an interference - necessitated by oversight in the grant of Sellon's patent of June 13, 1882, while our application was pending - which interference we must win, we will get a patent ~~of~~ the so called Sellon, or Sellon & Volckmar battery, considered in England the best one so far devised.

The Faure batteries, brought over by the Steamer Labrador, as well as those which we understand are being made in Boston by the Faure party, differ in some important respects from that patented to Faure in this country as well as abroad, and these changes or improvements were first made by us, and were embodied in an application prior to the introduction into this country of any Faure batteries whatsoever. The batteries the Faure Co. are building will, therefore, be covered by the patent we must ultimately obtain. The application in which those features are involved embodies other matter, and is objected to as showing several inventions. Various delays, among which is ~~the~~ timidity on the part of the Examiner in granting the claims we ask, has caused this application, filed

more than a year ago, to be kept in the Patent Office without good reason.

My associate, Dr. Starr, has made radically new departures from the style of batteries devised by Faure, Brush, and Sellon, and that shown in the application I have above alluded to; and while the claims we will have upon the Plante' or Faure type of battery will be valuable as weapons of attack, still we get outside entirely of the Faure patent and those granted to Brush, by the invention of forms of batteries, which are not only radically new, but are better, we think, than those of the Faure type. How much better we are not as yet able to say; but that they are more effective we have demonstrated by actual comparison with Faure batteries which we ourselves have made for the purposes of experiment; and also with Faure batteries we have had made by other parties, so that we might not deceive ourselves by some defect in the construction of those we ourselves made.

The Railway patents speak for themselves; while the claims in the patents granted to us in July last, on the system of lighting by the use of ~~the~~ Secondary batteries, will indicate the scope of our inventions in that direction. These July patents we deem the most valuable of any we have by reason of their scope.

Mr. Brush in his newspaper claims, which we have not seen fit to notice in that way, willfully and knowingly prevaricates, and by his overt acts in New York has, as I understand his demonstration, actually invaded our rights. I have not been able to get at the actual arrangement of his devices at that demonstration, but if his apparatus was disposed, as I understand it was, then there is no question of his infringement. He makes no bones about proposing to infringe, but whether this is "bunkum" to effect the Brush stock or really what he proposes to do I cannot say.

Before you have your attorneys examine these matters I must

reiterate what was said to you in New York. Unless you are prepared to pay the price we ask it will be simply a waste of your time, as well as that of ours, to conduct further negotiations. Time is very valuable to us now, and I must therefore limit you to one week within which to examine the patents and make up your minds upon the subject. We have put off other parties who have made a handsome offer until that time. If you decide to purchase these patents and inventions, I (personally) will be glad to aid you in any way possible, by the preparation of the applications not yet prepared, (of course at your cost and charge,) or by explaining the matters fully to your solicitors, who, I understand, are Col. Dyer, of this City, and his son. With Mr. Wilber I will have nothing to do. I have made, for a long time, the subject of secondary batteries, and ways and means for utilizing them, a careful study, and am I believe perfectly familiar with every patent therefor granted in this country and in England. The benefit of my study and research will be at your service when desired.

If you need any further information within the time fixed for your answer which I can prudently give, either write or telegraph me, and you shall receive a prompt reply.

Very respectfully,

Wm. J. Patton.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
22	B	W	20 Collect

1148

Received at 791 BROADWAY, Jan 6 1882.

Dated Lawrence Kans

To Edison 55 Fifth Ave.

Don't think have any Completed New land papers back next week. and will be experimenta making paper pipes Big Success.

P Wilber

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Wilbur

Jan. 6. 83

1883-01-06

The Edison Electric Light Co

Gentlemen,

I have given the question of infringement of the patent of Charles T. Porter, No. 201,197, dated March 12. 1878, for improvements in journal boxes, careful consideration and have examined said patent and have inspected the journal boxes of the Armington & Sims engines in your Pearl St station.

I have also carefully considered the facts stated in the opinion of Joseph. A. Miller Esq, given to the Armington & Sims steam-engine Company of Providence, R.I. and dated Nov. 29. 1882. In view of the facts and prior forms of journal boxes described and illustrated in Mr. Millers opinion I have come to the conclusion that the journal boxes of the Armington & Sims engine, as illustrated in said Millers opinion and as I find them in use at your Pearl St. station, are not an infringement upon the claim of the Porter patent.

I have not been able to personally verify the prior existence of the forms of journal boxes illustrated by Mr Miller in his opinion in Figures 1. 2. 3 and 5. The form of journal box illustrated in Mr. Miller's Fig. 4. I find illustrated in "The Engineer" for Nov. 1st 1861, page 264. The form of journal box illustrated in Mr Miller's Fig 6 and 7 I find illustrated in "Engineering" for Jan. 27. 1879.

These illustrations are however unaccompanied by any printed description and in defending a suit on the Porter patent we should probally have to rely upon oral proof of the use of such journal boxes

It is stated that such journal boxes as are described in "Engineering were in fact used on the allen engine". It seems to me, however, that in view of the state of the art, the Porter patent must be strictly limited to the full combination of devices specified in the claim. It is clear that one element of that combination is the "gibbs" h. and that such "gibbs" have a specified function

1883-01-06

in the Porter arrangement of parts, in as much as the "cheeks c" of the Porter engine are inclined inwardly downward. It would be difficult to place the "wedges f" in place were it not for the use of the "gibbs h".

But in the Armington & Sims engine, as used by you the cheeks of the journal box are inclined upward and inward, and the wedge is inclined downward and inward, the position and arrangement being the reverse of that describing the Porter Patent. With such an arrangement as adopted in the Armington & Sims engine the "gibbs" would be useless and in fact are not used.

I find, therefore, that the Armington & Sims engine journal box lacks one of the elements of the Porter claim, that the other parts are not arranged as shown and described by Porter, and hence there can be no just claim for infringement of the Porter patent by the Armington & Sims engine in view of the state of the art above recited.

Yours respectfully

New York Jan 6. 1883 Frank H Betts

1883-01-06

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
No. 122 NASSAU STREET,

P.O. Box 260.

New York Jan. 6th 1883.

Thos A. Edison Esq
Dear Sir:

In my letter of 26th Dec. informing you of the interferences declared between you & Dr Nicholson I omitted to state that the subject matter of Interference "B" was contained in your application No 138.

I advise you of this, so that you will be able to refer to the proper drawing in making up your statements.

Yours truly
Lemuel W. Serrell
per Pinckney

El. St. - Dynamos 1883

Jan. 8 83

3.30 PM

Insull -

I am preparing new application papers on Prof Rowland's machine.

I would suggest that you write Rowland, stating the facts of the case, which are that Walker had full charge of the management, never filed papers, that he is no longer Edison's attorney, that he is now West and Edison has been quite [illegible] that new application papers are being prepared in order to save as much time as possible, that I will call on him with papers on [illegible] in few days.

~~[illegible]~~

It might be well to

state that Mr Edison supposed that the papers in Welchs hands were never completed, and ~~he~~ were not filed for patent, and that ~~[illegible]~~ any neglect in the matter was due entirely to Welch.

Dyer

Dec. 10. 82.

Confidential

15

Jan. 10. 83

Ans

SAMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,
P.O. Box, 4689.

New York, Jan 10 1883.

Prof Thos A. Edison

Dear Sir

I am sorry to be unable to give the information desired by Mr Francis letter of yesterday —

The papers for Telephone patents in Victoria Queensland, N. S. Wales S. Australia and New Zealand were prepared by me for Western Electric Mfg. Co. and a power of atty from Mr. Edison to F. R Wells. and these were all sent to him:

I had nothing further to do with the matter and do not know whether the patents were granted or not.

Yours truly

Samuel W. Serrell

1883-01-10

Mr. Edison,

Regarding Moses' arc light patents, five cases have been already filed. He has presented to Mr. Dyer additional cases with a request that they be prepared and filed. Probably these additional ones together with those yet to come will aggregate say 6 or 8 cases. This is probably a high estimate.

My arrangement with Moses is that we will get his patents for him and hereafter will make a contract with him. If no such contract is made, and no terms can be agreed upon between us, we relinquish to him all the patents and applications in our hands, upon being reimbursed by him for our expense in the matter.

The expense for each case, including both Mr. Dyer's fee and Patent Office fees is about $60. Five cases have already been filed, and Dr. Moses now comes forward with several additional cases.

The question is shall we keep on filing those ~~xxxxxx~~ cases as fast as he presents them without having their merit and value passed upon? Two patents have already been allowed him, out of the five applications already filed, and we expect to have two more cases allowed him shortly. The fifth case has not yet received any action on the Patent Office.

I think we had better encourage Moses in this matter, as he seems to make good headway.

He has arranged with Mr. Navarro for the European patents. I think he gives Navarro a quarter interest and Navarro advances the money for the European patents. I am not sure of this I suppose we shall have to consent to his taking out the European patents provided he does so for the longest term? Of course that will shorten the life of our patents.

Had we not better file the Doctor's applications and pay the fees, subject to the above arrangement, and continue to

do so say up to a limit of 6 or 8 more cases? This is on the assumption that his entire patents in this country are worth at least say twelve times sixty dollars, that is to say seven hundred and twenty dollars.

S. B. Eaton

Jan. 10th. 1883. per Mc.G.

D.P.

1883 - 1 - 11.

EMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
NO. 140 NASSAU STREET,
P.O. Box, 4689.

New York Jan. 11th 1883.

Wm. A. Edison Esq.

Dear Sir:

In the interference on Duplex Telegraphs, case 99 Edison vs. Nicholson, I am in receipt of notice from the Patent Office stating that the question of priority of invention has been decided in favor of Nicholson on the first count, and in your favor on the remaining counts.

The counts of the interference are as follows:

1st In a single line telegraph "system the combination at one station substan-"tially as specified of two independent electrically "connected keys, one of which, say the first key, "when operated, reverses the circuit controlled "by the second key, independently of the position "or action of the second key."

"2nd The method herein described "of transmitting two distinct messages over one

"wire in the same direction at the same time,
"one operating by reversal of the battery current
"and the other by increasing or decreasing the
"current from the battery."

"3rd. The combination with a telegraphic
"circuit and battery of two keys at one station act-
"ing independently, one to reverse the polarity
"and the other to increase or decrease the
"strength of current, and two receiving in-
"struments at the other station, operated in-
"dependently, one by the change of polarity
"and the other by the change in the strength
"of the current."

"4th. In combination with a telegraphic
"circuit; a battery, the whole or a portion of
"which is permanently in the line circuit,
"and two independent keys or transmitters, the
"first key so constructed as to reverse the
"polarity of whatever current is passing from
"the battery to line without reference to the
"position of the second, and the second key so
"arranged as to increase or decrease the strength
"of the current in action at pleasure, without
"reference to the position of the first."

"5th. In an apparatus for simultan-
"eous transmission of two sets of telegraphic
"signals from the same station, the comb-

"nation with a line wire of the double current
"or current reversing key constructed and
"arranged substantially as described, and
"the single current or three point key con-
"structed and operating substantially as
"described."

Thirty days are allowed for an appeal from this decision.

Please let me know your wishes in the matter.

Yours truly
Lemuel W. Serrell
Pro Secy

1883-01-12

John K. Porter.
Grosvenor P. Lowrey.
Geo Wales Soren.
Chas Francis Stone.
Geo. S. Hamlin.
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 31 Broad St. (Drexel Building.)

New York January 12th, 1883

Dear Sir:

Mr. Lowrey directs me to call your attention to his letter to Mr. Edison of December 15th. relating to enquiries to be made of Milton F. Adams, George L. Andrews and others, prospective witnesses in the case of Welch v. Edison.

Have these enquiries been made? It is important, because the time for taking depositions is probably limited in Massachusetts.

Mr. Lowrey also directs me to enclose to you letter of Messrs. Hale & Walcot of Jan. 8th. which you will please return to him with directions as to how he shall answer the question concerning removal to the United States Courts. He decidedly agrees with Messrs. Hale & Walcott that MR Edison's defence in that case is so largely dependent upon equity that it will probably be an advantage to be in the United States Courts,

Mr. Lowrey has found one Massachusetts case since his return from Boston which satisfies him that the State Courts are less liberal than the Federal Courts in such cases.

If you will send an answer by telephone in respect to the removal, Mr. Lowrey can write at once.

Yours truly,
Arthur F. Clarke.

Saml Insull Esq.

1883-01-24

GEO. W. DYER,

519 SEVENTH STREET.
Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW,
(Specialty, Patents)

WASHINGTON, D.C. Jany 24th 1883

Dear Insull,

I return letter from Mr Handford to Mr Johnson, which has interested me not a little. I think Handford is somewhat illogical in his reasoning on English patent No 5. Even if it were known that high resistance was desirable and carbon the best material, no one had produced a practical high resistance conductor of carbon. Edison did it when he constructed his filament. The carbon filament is the thing that is claimed. Handford would reduce the patent to carbonizing a natural vegetable fibre, which would make it of small value

as a controlling patent.
The principal form described in the patent is a carbonized mixture of lamp black and tar.
The points in the new cases lately sent Handford are not fine at all, with the exception perhaps of the ~~lamp cord~~ twisted filament.
Although he says he has prepared 2000 specens (which by the way I consider a myth.), he knows very little of the subject of electricity, and probably doesn't understand the cases.

Yours very truly
Richd N. Dyer.

I consider the twisted fibre case the planest = 2 lbs
the Low Vacuum Case that has the fine points =

[ATTACHMENT]

(E.H. Johnson) 83-01-24.

Hanford Criticises the Patents - Dyer Criticises Hanford - Edison says Dyer is "off"

When Doctors fall out - who shall agree?

Case 82931
Filed January 24th. 1883.

TO ALL WHOM IT MAY CONCERN.

Be it known that I, Edward H. Johnson, of New York City, in the County and State of New York, have invented a certain new and useful Improvement in Electric Telephone Transmitters, of which the following is a specification;

The object I have in view is to produce a simple and efficient telephone transmitter for transmitting articulate speech transforming the sound waves into precisely similar electrical waves.

The invention consists in a thermally operating instrument, a conducting material of great thermo electric capacity, being interpolated in the circuit and setting up by the impact of the sound waves a thermal action which transforms the circuit into electrical waves corresponding precisely with the sound waves.

The material of great thermo electric capacity forms one electrode of the instrument, and makes surface contact with another electrode, the two electrodes being preferably reduced at the ends so as to have a small contact area and offer greater resistance at that point to the passage of the current producing a oncentration of heat at the contacts.

For the thermo-electric material, I prefer to use the metalloid tellurium.

The two electrodes or the contact surfaces thereof may be formed of tellurium: but the best results are obtained by forming a true thermo-electric pile, the tellurium being opposed by a metal or conducting material differing therefrom in thermo electric properties. Lead and tin have been found to answer well for the purpose.

The active junctions of the thermo electric pile are formed by the contacts between the tellurium and the lead, tin or othe metal or conducting material.

This transmitter may be used without a battery, the impact of the sound waves causing the generation by the termo pile of electrical waves corresponding precisely with the sound waves; but for effectiveness I use a battery the current from which passes through the thermo-pile. By the impact of the sound waves, the thermo-pile is caused to generate a current opposed to or flowing in the same direction as the battery current, and, by this action, the battery current is thrown into electrical waves corresponding precisely with the sound waves.

A telephone transmitter embodying the invention is shown in the accompanying drawing, in which:

Figure 1, is a sectional view of a form of transmitter having one thermal contact.

Figure 2, a view showing two thermal contacts; and

Figures 3 and 4 views of a modified form of instrument

having two and three thermal contacts.

A is a suitable frame carrying a suitable diaphragm B and having a mouth piece a

To the center of the diaphragm, is secured an electrode b of lead, tin, or other suitable metal or conducting material, and in line with b is an electrode c of the metalloid tellurium.

The two electrodes make surface contact and are reduced in size at their meeting ends so as to have a small contact area.

The tellurium electrode c is held by a clamping ring d carried by a spring e secured to or supported from the case or frame A. The pressure of the electrodes is adjusted by a set screw f bearing against a rubber cushion g on the spring e.

The circuit connections 1, 2 are arranged so that the current passes through the electrodes b, c.

In figure 2, there are two thermal contacts, lead or tin electrodes b, b′ and tellurium electrodes c, c′ being used, and clamping rings d d′ springs e, e′ and set screws f f′ being employed.

One circuit connection is made with the spring e′ so that the current will pass through all the electrodes.

In the center clamping ring d the tellurium and lead or tin electrodes are surfaced to bear upon each other throughout their entire sectional area and may be fixed or soldered together.

Instead of having the set screw f bear against a spring carrying one electrode, it may be arranged in line with the electrodes and force them directly together as shown in figure 3, wherein a set screw f passes through the bridge piece h.

Two thermal contacts are shown in figure 3, the tellurium electrode c′ being carried the screw f.

In figure 4, there are three terminal contacts, extra electrodes b″ c″ of lead or tin and tellurium being employed.

In the instruments shown in figures 3 and 4 one circuit connection is made with the bridge peice h, so that the current will pass through all the electrodes.

What I claim is

First. The method of transforming sound waves into electrical waves in the transmission of articulate speech, which consists in producing electrical waves corresponding with the sound waves by the thermal action due to the impact of the sound waves, substantially as set forth.

Second. A thermally operating telephone transmitter, sunstantially as set forth.

Third. In a telephonic transmitter, the combination of an electrode formed of conducting material having a great thermo electric capacity, with another electrode making a contact therewith, substantially as set forth.

Fourth. In a telephonic transmitter, a thermo electric pile constructed and arranged to be made active by the impact of the sound waves, substantially as set forth.

Fifth. In a telephonic transmitter, the interpolation in the circuit of the metalloid tellurium, substantially as set forth.

Magneto. Gray v Edison

GEO. W. DYER,

519 SEVENTH STREET. Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)

WASHINGTON, D.C., Jan'y 25 1883

Mr Chas. A. Edison.
65. Fifth Ave. N.Y.

Dear Sir.

I have not found it convenient until to-day to study and analyze the grounds, upon which the Examiner of Interferences (or rather Mr Brown his clerk) awarded priority of invention to Gray, in the Magneto case. The grounds assumed by Mr Brown are

1. That the exhibit of 1872. was an experiment which would not operate successfully
2. That it was laid away for years, broken up, discarded, and abandoned.
3. That the subject was not taken up again until 1879. and then Gray had occupied the field, by his apparatus made in 1878 and preserved intact, and operated successfully.

In this case, a fair hearing can be had before the Board, who are independent and decide for themselves, the cases which are heard by them. I think such an appeal ought to be taken.

GEO. W. DYER,

519 SEVENTH STREET. Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)

WASHINGTON, D.C., 188.

If you think it had better be prosecuted by somebody besides myself, I think that you ought to find that somebody.

I believe however, that your presence on such an occasion, so that you could personally explain matters of construction, and of operation would be more effective, than the most skilful arguments.

In this case particularly, when it has been decided by the lower tribunal, that the apparatus could have operated successfully.

Let me call your early attention to my account of $100. rendered against you personally, on December 31, 1882.

Yours truly,
Geo. W. Dyer,

[FROM CHARLES BATCHELOR?]

Form No. 2.

CABLE MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
70			10-30

FILED AT 254 BROADWAY.

Received at Paris Jan 7 1888.

To Elmeside NJ

T A Edison

65 Fifth Ave

German patent office decided all incandescent having filaments carbon subject to Edisons patent

1883-01-29.

42 Jan. 29. 83

Sense

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MOTT BUILDING
11 AND NASSAU STREET,

P.O. Box, 260.

New York Jan 29 1883

Prof Thos A Edison
My Dear Sir

In regard to the question of the U. S. patent being limited by a foreign patent granted after U. S. application, I am in communication with the Bate Refrigerating Co. and find that they have another suit in this City and expect to make a strong fight to get Judge Nixons decision reversed and lay the ground for a review of matters by Supreme Court. They are desirous of having additional counsel in the case here and suggest a concert of action with parties who are interested in getting this matter settled.

If you are disposed to aid in any such matter you need not appear, or your name be in any way brought into question, but if counsel that may be engaged by you can aid in the proceedings and present argu-

ments in favor of the interpretation of the law which I have always contended for, I can arrange for them to come in; & if your Company is disposed to aid financially in the expenses of additional counsel, that can be arranged, so as to have a full argument before the court and try and get the thing set to rights.

I have no hopes of the present Congress, there are so many conflicting interests that the members do not know what to do.

Please let me have your views

Yours truly

Lemuel W. Serrell

Mr R. Thayer is your one of their counsel - & will represent them in Washington to-day. Also Gore & Wells see him. Though I fear Searey will see him in N. to-day - See

1553-01

T. J. HANDFORD.

12. Southampton Buildings,
London W.C. Jan 4. 1883

T. A. Edison Esq
65 Fifth Avenue
New York
U. S. A.

Dear Sir,

I beg to advise you that I have this day drawn on you for the amount of $330.38 (£67.8.6) of which please take note.

Yours faithfully
T. J. Handford

P. S. I have a number of British Letters patent in my possession which have been taken out for you during the last 2 years - Shall I place them in the custody of Messrs Waterhouse Winterbotham & Hanson

T. J. H.

Ask Mr Jones when this is going to stop

26 1883-02-14

GEO. W. DYER,
ATTORNEY AND COUNSELLOR AT LAW,
(Specially Patents)
519 SEVENTH STREET.
Lock Box 100.
WASHINGTON, D.C. Feby 14th 1883

Dyer

My dear Mr Edison,

Hearing from Seely that you intend to leave N.Y. for the South on the 19th inst., I have had several talks with Father in regard to the change which you said some time since you would try to bring about in the Examiners of Interferences of the Patent Office. The following is a mixture of his and my own views upon the matter.

The Commr could make the change himself without the matter going further, but Church might appeal to the Secy, and hence it would be better to attack the Secy, and bring such influence to bear upon him that he would call

GEO. W. DYER,
519 SEVENTH STREET. Lock Box 100.
ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)
WASHINGTON, D.C., 188

mable in adjustle the question, without causing you to take the regular course, which would be to file a written request which the Secy would refer to Mable and upon which in the course of time Mable would make a report, smoothing the thing over and making your efforts amount to nothing.

The change can be brought about only by the best efforts, and if you intend to try your hand at it, you should come here prepared to spend several days, and bring with you letters to Senators and Representatives which ~~would~~ will influence them to go with you and see the Secy personally. The best course would seem to be to bring letters to Lapham and Miller, to the republican senator from N.J. Saul Sewell, to the representative from the district in which Menlo Park is situated, and to Cox, Belmont, Flower and Hewett. Get letters of the right kind to as many senators and representatives as possible. You will have to interest these men in your story and take their advice as to how to proceed. The Secy is interested at present more especially in the appropriations, and nothing will command

his respect so much as a strong Congressional backing. You have a good foundation for the request in the inconsistencies of the decisions in your several cases, but, since any man is liable to err in judgment, a better case might be made out on the delay on the big telephone interferences. They were argued 16 months ago and Church hasn't decided them yet. He has not decided any other cases either, but has turned them over to incompetent clerks. Now it is absolutely absurd and unjust that an inferior tribunal

1883-02-14

GEO. W. DYER,

519 SEVENTH STREET. Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents.)

WASHINGTON, D.C., 188

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whose decision will be appealed from by all parties, should make such delay. It shows the incompetence of Church.

His assistant Brown should also be removed. He is a very light-waisted man, and would hamper a new Ex for a long time.

I am convinced that you can accomplish nothing by simply making the request yourself of the Secy, and I think also that you would weaken your cause by calling in the services of our Painter, if you have thought of so doing,

since the Secy is an old Congressman and probably knows his character well.

It would be a remarkably good thing to bring about the change you propose, and would I think well repay you for the time you would have to spend in accomplishing your object. If you succeeded, in addition to the benefit from the change, the moral ~~influence~~ effect in the Patent Office of a showing of influence on your part and a disposition to make use of it would I think be good. I shall be in N.Y. on Monday next.

Yours very truly
Thos. N. Dyer.

1883-02-15

Mr. Edison,

Mr. Betts charged us $150 for his opinion in the matter of the Armington & Sims steam engine, as to whether it was an infringement on our patents or not, regarding the junction boxes.

S. B. Eaton

Feb. 15th. 1883.

per Mc.G.

(1880) -- [illegible]

February 19th.

L. W. Serrell, Esq.

City.

Dear Sir:-

Three telephone applications Nos. 141 A, 141 B and 140 D, and also a preliminary statement, prepared by you, were handed to me to have same signed by Mr Edison and sworn to.

I presented these papers to Mr Edison on Saturday night, and he signed the statement and made oath to the same. I enclose it herewith.

In regard to the three applications, however, Mr Edison declined to sign and swear to same, requesting me to state to you that he has come to the conclusion that he will not sign or do ~~anything~~ anything in connection with telephonic matters until the contract in regard to telephones has been carried out by the Western Union Telegraph Company. Mr Edison says they are neglecting to comply with and perform one of the most important considerations to him in said contract, and until this is satisfactorily adjusted, Mr Edison says he is not prepared to facilitate these matters.

Yours truly,

W. H. [illegible]

P. S. Mr. Edison has requested me to retain the three applications in my possession until his return from Florida

1883-02-23

JOSEPH W. STOVER, PRES'T.
OTIS T. PETTEE, TREAS.

CHESTER H. POND, SEC'TY.
J. N. GAMEWELL, GENL. SUPT.

THE GAMEWELL FIRE-ALARM TELEGRAPH COMPANY.

EXECUTIVE OFFICE, 15 BARCLAY ST. NEW YORK.

New York, Feby 23 1883

Saml Insull Esq
My dear Sir.
Mr Mackenzie and I would like about 3 or 4 minutes interview with Mr Edison - as soon as possible.
Will you kindly arrange for us to meet him and let me know at least one day in advance and very greatly oblige.
As my time is very fully occupied I do not wish to go to him until it is certain that we can see him -
Very Resp'y
Chester H Pond

Please reply to Room 40
Temple Court 5 & 7 Beekman
St -
P

Form No. 3.

188(3)-02-24

CABLE MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

/THOS/ T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
291	He	OY	4	8 V 6

Received at 191 BROADWAY

Dated Dorysseine Feb 24 1882.

To Ekaboide my

Thos A Edison 65 fifth ave

Ask dyer

To guard against mistakes on the lines of this Company, the sender of every message should order it repeated; that is, telegraphed back from the terminus of said lines to the Originating Office. For such repeating, the sender will be charged in addition, one half the usual tolls of this Company, on that portion of its lines over which such message passes.

This Company will not assume any responsibility in respect to any Message beyond the terminus of its own lines; and it is agreed between the sender of the following Message and this Company, that said Company shall not be liable for mistakes or delays in transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any unrepeated message, beyond the amount of that portion of the charge which may or shall accrue to this Company out of the amount received from the sender for this, and the other companies, by whose lines such message may pass to reach its destination; and that this Company shall not be liable for mistakes in the transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any repeated message, beyond fifty times the extra sum received by this Company from the sender for repeating such message over its own lines; and that this Company shall not be liable in any case for delays arising from interruptions in the workings of its lines, nor for errors in cipher or obscure messages. And this Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other company to reach its destination.

This Company is not to be liable for damages in any case, where the claim is not presented in writing, within thirty days after the sending of the message.

Rogersville

Feb. 4, 83

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1883-02-24.

GEO. S. PRINDLE.

PHILIP G. RUSSELL.

Office of Prindle & Russell,

(LATE PRINDLE & CO.)

ATTORNEYS AT LAW AND SOLICITORS OF PATENTS.

No. 515 SEVENTH STREET.

P.O. LOCK BOX 73.

Washington, D.C. Feb'y 24th. 1883.

Thomas A. Edison, Esq.,

Menlo Park, N.J.,

Dear Sir:-

Having resigned my position in the Patent Office as 1st. Asst. Examiner of the Division containing the classes of Horology, Educational appliances, Measuring Instruments and Machines, and Optical Instruments, in which Division one or more of your applications for patent now stand rejected or forfeited, I offer my services in any matter connected with these or other cases which you may have in such line.

It often happens that applications fir patent are rejected and never go to patent either from want of an attorney or because the applicant has employed one who from incompetence, carelessness or ignorance of the class of invention to which the application belongs has been unable to properly and understandingly prepare and conduct the case.

Mr. Geo. S. Prindle, with whom I have associated myself for the purpose of engaging in practice in patent cases before the U.S. Patent Office and in the U. S. Courts, has had nearly seventeen years experience as Attorney in all matters relating to the procuring of patents in this and foreign countries, and to the pros-

1883-02-24

ecution or defense of suits for infringement.

Believing that my experience as 1st. Assistant Examiner of the Division referred to, and the very extensive experience of Mr. Prindle in the same Division, especially fit us to do full justice to all matters connected with applications and patents in your line of invention, I feel confident that all business which you may entrust to us will be transacted to your entire satisfaction.

Very Respectfully,

Philip G. Russell

1885-02-24.

Dear Insull.

This is only a circular letter, which was probably sent to all applicants having cases in that Division. Mr Edison's only case in the room is an old phonograph case which is in Sewell's hands and with which I have had nothing to do.

Seely's father is the Examiner of the class and is an old friend of mine

Yours

Dyer

1883-02-26

Copy of letter to Boston Union

41 Rue Galilee
Paris Feby 26th 1883

Saml Insull Esq.
65 Fifth ave
N York.

Dear Sir

Yours of 6th inst received in reply thereto. I can only state that having lost all documentary evidence referring to the dates required by Mr Edison I am unable to give them exact.

I distinctly remember that Mr Edison gave notes to Mr E. B. Welch for monies he (E) owed him, and will make affidavits to that effect if (E) will send me the dates.

I left Boston for San Francisco about May 1st 1869. (as I left Chicago on the day that the last spike was driven connecting the Union Pacific with the Central Pacific RR. at Promontory mountain) therefore I place the date of the round printers about the first of april or latter part of March same year. if I remember

Nightly

rightly perfected duplex instruments were put
in operation February 1869 on the Western Div
of Mr Edison's lines in Rochester and
subsequently formed Mr Edison's relations
with Mr Walsh became distinctly cordial
and he at their request & their willingness
to provide the all funds required for
experimental purposes assisted in obtaining
patents. but nothing was definitely
settled as to whether Edison was to
receive a salary which he afterwards
Edison was asked to assume a portion of the
financial liabilities & the arrangements would
equally required a disposition of very little of
confidence in Edison's capability for carrying
out his inventions & Walsh jocularly
at paying manufactures before and at the
time of introducing the perpetually over the
for the duplex would take all
the cents I could raise at a time to pay
for models or drawings for a number who never gave
Edison the money to pay for instruments
as he was fearful Edison would leave
him

If Edison can get dates from Williams
or George L Anders of December 68 to

May. 69

Yours faithfully

J. H. Franks

1883-02-26.

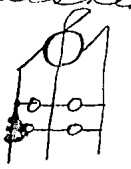
RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,

File

New York City, Feby 26th 1883

My dear Mr Edison,

I was very much astonished to receive from Handford the inclosed extract from the final specification of E.P. 3576/80 taken in the name of Dr Hopkinson, the expert of the London Company, and describing quite fully the principle of your compensating system of conductors. Hopkinson's provisional was filed July 27th 1882 and his complete on or before Jany 27th of this year. Hopkinson's patent, so far as England and the Continent are concerned, seems to anticipate every thing of importance in the case we have forwarded except the division at the commutator of each dynamo, instead of the use of two dynamos.



Do you consider this a point of sufficient importance to warrant further proceedings in the English and Continental cases? If the foreign cases are to be dropped,

1883-02-06

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,

2 New York City, 188

we can have our U.S. patent issued immediately, before we meet with trouble in the Patent Office.

Please telegraph me whether or not to pay the final fee on the U.S. case. I should know by next Wednesday.

Also kindly return the extract from Hopkinson's speech, in order that I may preserve it.

In regard to the interferences — I have moved for more time.

In the Swan interference I want you to testify first, so that the testimony will be given the right shape, and then the others will stand by you and corroborate. You seem to have a clear case, but it is possible to take the testimony in such a manner that you will be beaten — that is to say, no case can be such a good one that it will not pay to exercise care in the taking of the testimony.

Martin Force has been making an extensive search, but the result so far has not been very satisfactory. Martin recollects clearly about

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,

1883. C.D. [illegible]

New York City, 188

3

The matter. John Arnold also recollects use of mineralized fibre. Hughes remembers use of board paper; so does Carman. I have written to George Carman. He will be in N.Y. in April.

Homesiard Dean I haven't seen yet. I have written upton to talk to Lawson and Bradley.

Upton himself is mentally complicated on the subject. He recollects that in January or Feby. 80 he spoke to you about patching enveloping paper and you then reminded him that the thing had been done some time before in 1879, and he then remembered it had been done.

He now recollects that at the time of the conversation with you in January or Feby 80 he then remembered the fact; but his memory only carries him back to his previous recollection and not to the fact itself. I labored with him a half hour to convince him that he could conscientiously testify to the fact.

No new interferences since you left. I am working on the thing against Carr - steam dynamo, spring governor &c. There is some talk of my going to Canada to gather facts bearing on the point but it [illegible] Carman and [illegible]

1883-02-28.

GEO. W. DYER,

519 SEVENTH STREET. Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)

WASHINGTON, D.C., Feb'y 28 1883

Mr Thos. A. Edison.

65. Fifth Ave. N.Y.

Dear Sir. On the 23d inst I argued the appeal before the Board in the magneto case, Gray being now the only opponent. and to day have received notice of a decision in case A vs B. in favor of Gray.

In case A. the board find that the white signal box, probably shows the invention in issue, or did show it when made, but under the circumstances it amounts only to an abandoned experiment, and cannot be set up against a subsequent perfected invention.

In case B. the board conclude that your earlier patent, and caveat, were probably considered by the Examiner as not a sufficient reference to the claim in issue, and if the contrary is asserted the action of the Examiner should be brought to the matter.

In this case it seems to me, that the best course would be to move for a

GEO. W. DYER,

519 SEVENTH STREET. Lock Box 100.

ATTORNEY AND COUNSELLOR AT LAW, (Specialty, Patents)

WASHINGTON, D.C., 188

dissolution of the interference, setting up as a reason that neither of the contestants is entitled to the claim in issue.

In case A. the only course is to take an appeal to the Commissioner within thirty days, and either make some arrangement, by which the case can come up before Dyrenforth, who was confirmed yesterday, and who did not take part in the decision of the Board, which arrangement would be difficult, as it would require an absence on the part of Mr Lamb, or get Mr Langdon to argue it before the Commissioner.

I enclose my account against Mr Edison, and also forward copies of the brief I used before the Board.

I wish that you would show this letter to Mr Edison.

Yours truly
Geo. W. Dyer.

1883-03-03

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MORSE BUILDING
140 NASSAU STREET,

REFERENCES
PERMITTED.

P.O.Box. 260.

New York March 3rd 1883.

Thomas A. Edison Esq.

Dear Sir:

The Patent Office has fixed the times for closing testimony in the interferences with Nicholson cases A. and B. (138 and 139). as follows:-

Edison in chief March 30. 1883.
Nicholson April 19. 1883.
Rebuttal May 4. 1883.
Hearing May 24th.

How soon can you commence your testimony?

Yours truly
Samuel W. Serrell
Per Pritchney

1883-03-13

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

458. Société Anonyme, Capital : 1.500.000 Francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Grand Diplôme d'honneur PARIS 1881

Ivry-sur-Seine, le 13 Mar 1883
5, RUE DU PARC.

Mr A Edison Esq
Newyork —

My dear Edison,

In answer to my cable to you from Brussels, ("On Johnson's advice am filing distribution") I have received at London yesterday yours as follows: — "follow dyers directions concerning distribution" and have answered it today with:— "Fifty nine filed in France can stop other countries if do englishman will be ahead of us"

The fact of the matter stands thus; as soon as Johnson informed me of the fact that Hopkinson had anticipated you in this matter of distribution I immediately decided to file this patent, and it was well I did; as Hopkinson I learn now was in Paris all last week, and I suppose that would be his business here; now he cannot file his before us in the other countries as ours have been sent some days ago; some of them are allowed by this time and if

1883-03-03

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital : 1.500.000 Francs

EXPOSITION INTERNATIONALE D'ELECTRICITÉ

Grand Diplôme d'honneur PARIS 1881

Ivry-sur-Seine, le

5, RUE DU PARC

I take steps to 2 to 5 them he will certainly be ahead of us; I shall however act in accordance with your wishes if I receive a telegram in answer to mine of today requesting me to act in accordance with Dyer's letter

Yours "Salch"

1883-03-13
222

Blank No. 3.

No. 253 In CABLE MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

A. R. BREWER, Secretary. NORVIN GREEN, President.

Check. 18 Ivry

Received at 791 BROADWAY

Mch 13 1883

Chnosside ny

Thos. A. Edison

65 — 5 AVE

Fifty nine filed France can stop other countries if so Englishman will be ahead of us.

To guard against mistakes on the lines of this Company, the sender of every message should order it repeated; that is, telegraphed back from the terminus of said lines to the Originating Office. For such repeating, the sender will be charged in addition, one half the usual tolls of this Company, on that portion of its lines over which such message passes.

This Company will not assume any responsibility in respect to any Message beyond the terminus of its own lines; and it is agreed between the sender of the following message and this Company, that said Company shall not be liable for mistakes or delays in transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any unrepeated message, beyond the amount of that portion of the charge which may or shall accrue to this Company out of the amount received from the sender for this, and the other companies, by whose lines such message may pass to reach its destination; and that this Company shall not be liable for mistakes in the transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any repeated message, beyond fifty times the extra sum received by this Company from the sender for repeating such message over its own lines; and that this Company shall not be liable in any case for delays arising from interruptions in the workings of its lines, nor for errors in cipher or obscure messages. And this Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other company to reach its destination.

This Company is not to be liable for damages in any case, where the claim is not presented in writing, within thirty days after the sending of the message.

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Feb 1/83

Rathbun

1883-03-15

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK 15th March 1883

Dick

Will you see if there is anything in this that we know?

Edison

R. N. Dyer Esq

I don't see anything in Kodaloff's patent. The points seem to be covered by older patents. The man writes in a fair and liberal spirit, and it might be well to honor him by writing

Dick

4 1883-03-20

SOCIÉTÉ INDUS^elle & COMM^le EDISON

Société Anonyme, Capital : 1.500.000 Francs.

à Ivry S/Seine, 5, Rue du Parc.

Grand Diplôme d'honneur PARIS 1881

461 Ivry, le 20 Mch 1883

Thos A Edison Esq Newyork.

My dear Edison,

Just received your cable this morning :— "file fifty eight sixty twentieth" I have given orders accordingly — Armington just (5 p.m.) now telephones me that he has filed French today

Yours

"Batch"

1883-03-24

West & Bond,
Counselors in Patent Causes,
Rooms 51 to 59 Manore Block,
204 Dearborn Street,

E. A. WEST
L. L. BOND

Chicago, March 24th 1883.

Thomas A. Edison Esq.

How about new bill rendered you last year. In compliance with your telegram we did not draw on you as we wrote you we should. Nor have we received any explanatory letter from you in regard to the same.

We have some payments to meet March 31st. and would be pleased to receive a remittance from you for $371.06 amount of balance due. As every little helps. Hoping that you can accommodate us with the full amount $371.06 we remain.

Yours truly
West & Bond
Ascas

[FROM CHARLES BATCHELOR?]

Form No. 3

CABLE MESSAGE

1883-03-27

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
82	am	Cm	13 Paris	1084

Received at ~~FILED AT 654 BROADWAY~~ Mch 27 1883.

To Chronoxide My
Edison Co
(60 Fifth Ave
Ordered brewer work portugese
Patents if other arrangements
Made Cable

WC

33

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON.
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

29th March 1883.

Dear Sir

We are surprised to learn from your letter of the 8th inst. that the box sent out to Mr Edison in October last containing the prints of the Evidence and Judgment in the Telephone Case did not reach you. We are making enquiries from the Firm through whom the box was sent and will write again to you. In the meantime, would it not be well that you should make enquiries at the New York Custom House? The box was made for the books & was fastened up very strongly & addressed clearly & the carriage was paid, so that we think you will find the fault is on your side of the water.

Yours truly,
Waterhouse Winterbotham & Harrison

Samuel Insull Esq
c/o T. A. Edison Esq
65 Fifth Avenue
New York
U.S.A.

1283-63-25

1883-03-29

Secret file as Com Eng Prov - Lamp. No 12
Finish complete Eng No 10 —
Complete Gas Amn applens
Complete for whole world No 12
Eng Prov 14 Dynamo
Eng Prov 15 Drop EMF.
Eng Prov 13. 2s Separator for Gouraud
Complete Eng Prov 14 & 15 for all the world.
Complete RR for all the world.

1883-03-30

CABLE MESSAGE

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

CALL NUMBER	SENT BY	REC'D BY	CHECK
35	Ia	23	830

Received at 191 BROADWAY

Dated Paris Mch 30 1883.

To Elmonda NY

Thos A Edison 65 Fifth Ave

Filed France Spain Belgium Germany

not less fifteen Austria Issues

only after American English file

December May hurt you or

Cannot

To guard against mistakes on the lines of this Company, the sender of every message should order it repeated; that is, telegraphed back from the terminus of said lines to the Originating Office. For such repeating, the sender will be charged in addition, one half the usual tolls of this Company, on that portion of its lines over which such message passes.

This Company will not assume any responsibility in respect to any Message beyond the terminus of its own lines; and it is agreed between the sender of the following Message and this Company, that said Company shall not be liable for mistakes or delays in transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any unrepeated message, beyond the amount of that portion of the charge which may or shall accrue to this Company out of the amount received from the sender for this, and the other companies, by whose lines such message may pass to reach its destination; and that this Company shall not be liable for mistakes in the transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any repeated message, beyond fifty times the extra sum received by this Company from the sender for repeating such message over its own lines; and that this Company shall not be liable in any case for delays arising from interruptions in the workings of its lines, nor for errors in cipher or obscure messages. And this Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other company to reach its destination.

This Company is not to be liable for damages in any case, where the claim is not presented in writing, within thirty days after the sending of the message.

Feb. 20. 83

Bancroft

1883-03-30

Cie CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs
EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR
ADRESSE TÉLÉGRAPHIQUE
EDISON PARIS

Paris, le 30 March 1883.

Mr T. A. Edison, Esq
New York.

My dear Edison,

You cable received as follows:— "Letter not received cable fully whether distribution filed and where also life patent and if full fee paid am afraid your action busting American patent"; to which I replied today as follows:— "Filed France, Spain, Belgium Germany nothless fifteen austria issues only after American English filed december may hurt you we cannot."

I do not see how we can possibly "bust" your patent in America as the English "provisional" was filed in December, which limits (as the date of provisional is date of patent) you to 14 years. It is true that very rarely a patent is prolonged for 7 years there, but that is only after a public investigation —

In re to patents, I should like to remark that we have spent a great deal of time to find out just how the patents ought to be taken in Europe; and our views were put forward in a letter to Major Eaton of the 11 December last a copy of which I believe was sent to you at the time, and another copy was sent at my request the 8 March.— We have never received any answer to these letters, and the fact

that you send me the patents with imperative orders, makes me think you ignore them altogether.— Can you give me the reason why they are not sound? and how, if our patents are taken according to those letters, can we possibly injure you in America?

Very truly Yours
Chas Batchelor

Batchelor
Mch 30.83

4

34 1883-04-03

T. J. HANDFORD.

T. J. Handford
42, Southampton Buildings,
London W.C. Apl 3 1883

T. A. Edison Esq
65 Fifth avenue
New York
U. S. A.

Dear Sir)

Referring to the matter of a/cs - my a/c for the present month amounts to £98. 15. 0 which Messrs J. S. Morgan & Co have this day paid - I understand from them however that they are without instructions to pay the previous months a/c rendered to you & amounting to £381. 6. 0. Kindly instruct Messrs Morgan as to the settlement of the same

& oblige
Dear Sir
Yours faithfully
T. J. Handford

1883-04-16

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
McHENRY BUILDING
11 AND NASSAU STREET,

P.O. Box 260.

New York, April 16th 1883.

Thos. A. Edison Esq.

Dear Sir:

I am this morning in receipt of official notice of declaration of interference between your patent 203.013. of apric 30.1878 on Telephones, and the patent of Francis Blake 250.126 Nov. 29. 1881, and application of Daniel Drawbaugh. filed May 17. 1882.

The subject involved is: –

"In a telephone, the combination of a "diaphragm and a spring pad or muffler"

The preliminary statements are due May 17th 1883.

Yours truly
Samuel W. Serrell
per Pinckney

You must get that Contract signed by the R.C.C. Co

1883-04-17

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
WORLD BUILDING
1-10 NASSAU STREET,

P.O. Box, 260.

New York April 17th 1883.

Thos A. Edison. Esq.

Dear Sir:

In regard to the interference with Nicholson, I do not think we shall occupy much time in taking your testimony, and I am desirous of getting your testimony in before I go West, which I expect to do shortly and wanted to arrange to look after the examination of Nicholson when there. Mr. Eils is likely to be in N.Y. this week, and if you can arrange for taking your testimony some time next week it would be a great convenience.

Yours truly
Lemuel W. Serrell
per Buckney

We are working on the Swan & I have 2 others in progress 1/2 testimony taken must do these 1st

1883-04-24

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

WESTERN EDISON LIGHT CO.

51 & 53 WABASH AVENUE,

DIRECTORS:
THOMAS A. EDISON,
ANSON STAGER,
JNO. B. DRAKE,
J. W. DOANE,
SAMUEL MERRILL,
NORMAN WILLIAMS,
EDSON KEITH,
JOHN M. CLARK,
JOHN CRERAR,
ANTHONY F. SEEBERGER,
Z. G. SIMMONS.

IN REPLY TO YOURS OF .....

Chicago, April 24 1883

Thomas Alva Edison Esq.
Pres. Edison Elec. Light Co.
Dear Sir:

Herewith I return the West & Bond Papers. These services were rendered by me for Mr. Edison at Mr. Sorrell's direction in the suit for infringement on the Edison Electric Pen Patents against the Great Mfg Co. Mr. Edison had previously directed me to have the suit brought for him in accordance with Mr. Sorrell's direction. Mr. Edison should pay the bill and I presume it is as reasonable as could be expected from lawyers of their experience. The suit resulted in Great selling out his patents to me including his business for $7,000.00 instead of $25,000.00 as he always asked. The suit was then stopped by Mr. Edison's direction as he received a royalty. The business has no magnitude and was never worth the time, money and energy put into it.

Yours

Geo. H. Bliss

1883-05-03

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON.
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

3rd May 1883

Dear Sir,

We beg to acknowledge your letter of the 15th ult: respecting the Prints of the Evidence and judgement in the United Telephone Coy v: Harrison Cox. Walker & Co:

We now forward you proof of delivery which we have received from the Shipping Agents

We are, Dear Sir,
Yours faithfully
Waterhouse Winterbotham & Harrison

Saml: Insull Esq.
65 Fifth Avenue,
New York,

1883-05-04

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
1-3-5 NASSAU STREET,
P.O. Box. 260.

New York May 4th 1883.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 6th annuity on your French, Belgian, & Italian patents on the Phonograph is due as follows:-

France. No. 124,974. dated June 7. 1878. 6th annuity due June 7. 1883. amount including expenses $25.-

Belgium. No. 45.375. dated June 8. 1878. 6th annuity due June 8th 1883. amount including expenses $21.-

Italy. No. 160 - June 22nd 1878. 6th annuity due June 22. 1883. amount including expenses $25.-

The funds should be sent from here by May 19th in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Lemuel W. Serrell
N. Pinckney.

18 1883-05-12

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
150 NASSAU STREET,
P.O. Box, 4689.

New York May 12 1883

Prof T. A. Edison
My Dear Sir

Mr Eils has consented to lay over the quadruplex hearing next week, so as to give opportunity for taking your testimony end of next week or beginning of week after —

I will see you upon my return from Wash. so as to find out what can be done as was mentioned yesterday.

Yours truly

Lemuel W. Serrell

(1883)

Dear

Your young Charley Watt was employed by me for over 4 years recording daily all the Experiments. There are two large books. Where are they? I fear he has them & has gone in with Sam Watt & W. C.

There are three daily journals in the cape down stairs, which were kept by Watt and cover dates from May 14 '80 to May 10 '81. I think the small pencil note book in your the book case in your office contains the pencil memoranda from which the daily journals were compiled.

May 1883. Dear

1883-06-05

28

SAMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MOTT BUILDING
N. AND NASSAU STREET,

RECEIVED
JUN 6 1883
ANSWERED
.....188...
FILE No.....

P.O. Box, 260

New York June 5th 1883.

Thos A. Edison, Esq

Dear Sir:

I have to advise you that the 6th annuity on your German Empire patent on Phonograph dated July 11. 1878 No 12.631, is due July 11. 1883.

The amount of this annuity is $67.50 including expenses, and the funds should be sent from here by June 23rd in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Samuel W. Serrell
Attorney

~~Draft~~
Theo Pedicos
Paris pays

28

1883-06-05

T. J. HANDFORD.

42. Southampton Buildings,
London W.C. June 5 1883

T. A. Edison Esq
65 Fifth Avenue
New York
U. S. A.

Dear Sir,

Your two favors of the 24th ult° are to hand this morning.

Cable address

I have not yet a registered cable address for the simple reason that I have had so little occasion for one. I have now however in deference to your wish taken steps to have an abbreviated address registered & will advise you as soon as arrangements are completed.

Drafts

I have sorry that through Messrs Morgan's mistake you have been put to inconvenience - I left the preparation of the drafts to them - I have now written them on the subject

Yours faithfully

T. J. Handford

1883-06-05

1883-06-14

T. J. HANDFORD.

Dictated papers to Mr Dyer & they forward

Mr. Southampton Buildings.
London, W.C. June 14 1883

Send Duplicate letter to Mr Dyer

T. A. Edison Esq
65 Fifth Avenue
New York U.S.A.

Dear Sir,

I beg to acknowledge the receipt of your favor of 1st Inst.

The telegram was duly received and the application lodged as stated in my letter to Mr Dyer of May 29th.

I shall hope to receive back from you the papers for the 4 Indian Patents very shortly, as otherwise I fear the interests of the Edison Indian & Colonial Company will be greatly prejudiced.

Yours faithfully

T. J. Handford

1883-06-14

1883-06-18

T. J. HANDFORD.

42, Southampton Buildings,
London W.C. June 18 1883

T. A. Edison Esq
65 Fifth Avenue
New York U.S.A.

Dear Sir,

Please note that I have registered the following abbreviated address for cable messages.
"Patentvertreter London"

Yours faithfully
T J Handford

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June 18th 1883
T. J. Handford
re: his having registered new cable address

1883-06-18

1883-07-03

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital : 1.500.000 Francs

EXPOSITION INTERNATIONALE D'ELECTRICITÉ

Grand Diplôme d'honneur

PARIS 1881

473

Ivry-sur-Seine, le 3rd July 1883

5, RUE DU PARC.

T. A. Edison Esq.
65 Fifth Avenue,
New York.

My dear Edison,

I acknowledge receipt of cable relative to sending "Form of Italian patent renewal", this I have asked for 4 times & it has only just come to hand; it was sent off immediately.

Yours

Charles Batchelor

(Cable address
"Patentvertreter
London")

T. J. HANDFORD.

42, Southampton Buildings.
London W.C. July 3 1883

T. A. Edison Esq
65 Fifth avenue
New York
U.S.A.

Dear Sir

Account

I beg to advise you that I have this day drawn upon you to the amount of $233 40 being £47. 3. 0 @ 4.95 at three days after sight —

Edisons bol Cy

I am anxiously awaiting the return of the Indian papers executed by you.

I am Dear Sir
Yours faithfully
T. J. Handford

July 3rd 83
Acknd
T. A. Edison

Translation

Havre July 4th 1883
19 Rue de la Bourse

Mr. Brandon, 1 Rue Laffitte,

I hasten to reply to your esteemed letter of the 1st. containing notices of annuities due in European countries on Pond & Mackenzie's patents. As I am unwell and no longer able to attend to these matters, I request you to send a circular advice of said payments.

to Colonel Goddard - 61 Fifth Avenue New-York
" Mr. Pond - Fulton Street " "
" " Mackenzie Cie Edison Cie " "
" " Sewell your correspondent. " "

In this way, everybody concerned will be advised & nobody either you or I will be to blame.

You had better transact the whole business with Mr. Sewell for the payments, receipts, etc,

Please let me know, if you have done what requested for my satisfaction

Waiting your reply, I remain, yours

Signed. F. G. Guimaraes

BRANDON
INGÉNIEUR CIVIL.
ETUDE DE TRAVAUX MÉCANIQUES.
Construction & Surveillance d'Usines & Machines,
BREVETS D'INVENTION,
TOPOGRAPHIE,
Lithographie & Gravure sur Bois,
ÉTABLI EN 1854.
HISTOIRE, ORIGINE, COMPOSITION, PROPRIÉTÉS,
Raffinage, Emploi, Valeur
DU
PÉTROLE
PRIX 2f 50
OUVRAGE IN OCTAVO ORNÉ DE GRAVURES
APPAREILS PHOTOGRAPHIQUES
Pantascopiques.
PARIS, 1, RUE LAFFITTE

Paris 1 Rue Laffitte
le July 5th 1883

Mr. Mackenzie
Cie Edison's Electric Light Co.
61 Fifth Avenue
New-York

Dear Sir

I beg to enclose a translation of a letter received from Mr. Guimaraez in reference to the maintainance of Mackenzie Pond & Reed's european patents, awaiting your instructions in this matter.

As requested, I have also advised the parties mentioned in his letter.

D. H. Brandon

1883-07-05

1883-07-19

SAMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O.Box, 260.

New York, July 19th 1883.

Messrs Edson & Kenny

Dear sirs:

I have to advise you that your French patent of Aug. 31. 1881. on Fac-simile telegraphs. No 144.646. requires to be worked in France before Nov. 3. 1883. in order to maintain the validity of the same. —

Yours truly
Samuel W. Serrell
per Pinckney

1883-07-24

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
1-1-1 NASSAU STREET,

P.O. Box, 260.

New York, July 24 1883

Thomas A. Edison Esq.

Dear Sir

Your favor of this day to hand and contents noted.

I am just in receipt of the Official notice of decision on Telephone case.

Cases D. & No. 1. only decided in your favor.

Limit of appeal is 60 days from July 21st.

Father is now in Colorado. and I expect will return about Aug 10th which you see will leave ample time to take the matter up then.

I think he would be pleased to have Mr Conklin associated with him.

I would suggest that you see Mr. Conklin and bring about a meeting at about that date.

Yours truly
Harold Serrell
per
L. W. Serrell

[JULY 26, 1883?]

1883-07

Insull

Major Carter has
given his consent to
an interview of
two weeks on pending
Continental cases.

You can cable
Batchelor that the
time mentioned in his
cable of June 9th
will be allowed in
the future.

No. 6

FILE NO.

D. G.

1883-07-26

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
A59	Ab	me	16 paid 714

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. July 26 1888.

Dated Philada 26

To Samuel Insull

68 Fifth Ave Ne

Will call & see you at two

sharp today

J. L. Gerrell

Genl Mgr.

= Mch Co

Southward Founder

1883-07-27

Copy.

SAMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
1-AND NASSAU STREET,

P.O.Box. 260.

New York, July 27th 1883.

J. F. Navarro. Esq.
Dear Sir:

The following is a list of the Pond & Mackenzie Patents upon which annuities will be due shortly: —

Inventor	Country	When due	Amount
Mackenzie	France	Aug. 9. 1883	$25.—
"	Belgium	" 10 "	15.—
"	Ger. Empire	" 11. "	32.50
Pond	France	" 16. "	25.—
"	Belgium	" 18. "	15.—
"	Great Britain	" 20 "	275.—
"	Ger. Empire	" 14 "	32.50
"	"	" 14 "	32.50
		Total —	$452.50

Yours truly
Samuel W. Serrell
J. C. H. Smith

1883-07-28

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,
P.O. Box, 4689.

New York, July 28 1883

Thomas A. Edison Esq
Dear Sir

Your favor of 26th inst. to hand and contents noted. In the Telephone Interference 60 days is allowed as a limit of appeal & this limit will expire on Sept. 19th.

The notice of appeal and the reasons therefore should be given before that date, but there is no call to give of appeal right away.

After Pather returns it will take some time to get the reasons of appeal in shape.

Yours truly
Harold Serrell
for S. W. Serrell

1883-07-30

CHARLES N. TALBOT, President.
CHESTER H. POND, Electrician & Gen'l Manager.
ALVAN TENNEY, Sec'y and Treas.

OFFICES OF

The Pond Electric Signal Co.,

130 FULTON ST. (Elevator Entrance).

Send for Mr Kingsley ~~above~~ 40, proper parts
Have letter drafted copying to Pond

New York, July 30 1883

Chas A Edison Esq
President
Pond Sig Co of Europe

Dear Sir

Enclosed please find notice &c from Brandon of Paris in regard to the patents of Pond & myself which were sold to the P.S.Co. of Europe & which are their property & for them to protect. In the absence of Col Goddard Mr Pond & myself request that you will see that the matter is attended to.

We also request that the patents with the powers of atty given by us with our options in the early part of 1882 in order to enable the Co to deal with Dr Dorn be returned to us without further delay.

Yours truly

Duncan Kingsley

[ENCLOSURE]

1883-07-05

NOTICE TO PAY ANNUITIES

FROM

BRANDON

ENGINEER & PATENT AGENT

Paris – 1, Rue Laffitte – Paris

Mackenzie Esqre
care of Edison's Electric Light Co
New York

Paris, 5th July 1883

I beg to advise you that in order to maintain the validity of the following patents the annuities on the same must be paid on or before the date given in the second column.

NUMBER OF ANNUITY	DUE	PATENTEE	COUNTRY	DATE OF PATENT	NUMBERS	SUBJECT
3rd	1883 Aug 9	Mackenzie	France	1881 Aug 9	144310	Electric signals
3rd	" 10	do	Belgium	" 10	55430	do
3rd	" 11	do	Germany	" 11	18442	do
3rd	" 16	Pond	France	" 16	144400	do
3rd	" 18	do	Belgium	" 18	55486	do
3rd	" 14	do	Germany	" 14	17985	do
3rd	" 14	do	do	" 14	17986	do
£50 tax	" 28	Reed	England	1880 " 28	3505	do

Your Instructions as to payment will oblige yours faithfully.

BRANDON

1883-08-01

CABLE ADDRESS. "VERNERVE, NEW YORK."

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,

NEW YORK CITY, Aug 1st 1883

Dear Inwell

Enclose receipted bill to date against Central Co.

I find that I rendered a bill against D. M. Co. (handed Dyer) dated Feby 28 83, for $20.00 for preparing English R.R. case No. 42. You must have collected for Handford on account of this case. The above, with the bill for $20 against Mr E. for final fee advanced on telephone call case, include all matters on which I shall trouble you at present.

Yours
Richd N. Dyer

Pond Mackenzie Patents

1223-08-06

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,
P.O. Box, 260.

Wait for Issue

New York August 6th 1883

Sir

At request of Mr. Mackenzie, I send herewith a list of the Pond & Mackenzie Patents upon which annuities are shortly due, viz:

Inventor	Country	When due	Amount due
Mackenzie	France	Aug. 9. 1883	× $ 25. -
"	Belgium	" 10. "	× 15.
"	Ger. Empire	" 11. "	32.50
Pond	France	" 16 "	× 25. -
"	Belgium	" 18 "	× 15 -
" (Reed)	Great Britain	" 20 "	275 -
"	Ger. Empire	" 14 "	32.50
"	" "	" 14 "	32.50
		Total including expenses	$ 452.50

I inclose herewith

Letter from D. A. Brandon to Mr. Mackenzie dated July 5. 1883.

Tax Notice " " " " " "

Working " " " " " " "

Letter from Mr. Mackenzie to T. A. Edison " July 30. 1883.

If these taxes are to be paid the matter

should be attended to without delay —
The British Patent I suppose is in the hands of Mr. Gunmarac of Paris — This patent should be sent to London if the tax thereon is to be paid, otherwise there will be an additional expense of £7. for a certified copy —
Mr. Mackenzie stated that he believes his French Pat. No. 144.310. has been worked; if not, there is ample time to work it and also Mr. Pond's Patent No. 144.400, as the limit of time for working these patents does not expire until Octo. 29 next —

Yours truly
Samuel W. Ferrell
for O H Mott

To
T. A. Edison Esq
Pres. Pond Indicator Co. of Europe

EDISON SPANISH COLONIAL LIGHT CO.
THOMAS ALVA EDISON, *President.*
OFFICE, 71 BROADWAY, ROOM 33.
P. O. BOX 2596.

1883-08-07.

NEW YORK, Aug. 7th 1883.

Thos. A. Edison Esq.
Present.

Dear Sir,

Your favor of today in reference to the Pond McKenzie Patents just received.

Mr. C. N. Talbot President of the Pond Indicator Co. is out of town and my clerk has made an appointment to meet him at 10.30 tomorrow morning and see what has been done in the matter, the results of which will be duly notified you in time to cable to Paris

Yours Truly

J. Navarro

We will keep enclosures until tomorrow.

1883-08-11

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,
NEW YORK CITY, Aug 11th 1883

CABLE ADDRESS,
"VERNERVE, NEW YORK,"

Dear Friend.

The final Government fees in the U.S. have been paid on cases included in Continental Case No. 63, and the U.S. patents will be issued August 28th unless cases are withdrawn from issue.

The Contnl Co should be called today, to give them the time they ask for. Kindly cable "File sixty-three August twenty-eight" or something to that effect.

Yours truly
Richd N. Dyer

1883-08-15

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, 188

Dyer

Am making Eng. Cases Complete on 3 which you put on T. E. 63

& draw claims so Hopkins get won't interfere with them

Aug 15/83
Too late to put in 63 Eng cases. Have in course of preparation. Have on hand Eng. cases on 3 claims. Where English cases have been prepared subject matter has been taken from Contnl. DYER

1883-08-17
R. N. Dyer
re-Knight & Freeman
Interference

GEO. W. DYER,
ATTORNEY AND COUNSELLOR AT LAW,
(Specialty, Patents.)
519 SEVENTH STREET,
Lock Box 100.

WASHINGTON, D. C., Aug. 17th 188 3

RECEIVED
AUG 21
188 3

Mr T. A. Edison
65 - 5th Ave. N.Y.

Dear Sir:

FILE NO.

I find here that the N.S. E. L. Co. and the Brush Swan Co. have been sued on the same five patents. ~~that~~ a Sheriff's Man that our injunctions are sued on. Knight has been examining into the state of the art for a month on behalf of the Brush-Swan people. Freeman has been making an examination for the N.S.Co, but has obtained all of his information from Knight. Knight and myself have pooled our information, and hence my work here will be very much more effective

than it otherwise would.

It looks now as if we had good references for all the claims which are in terms infringed by the Edison Cos.

Major Nichols in his report on the S. & M. patents says that as long ago as 1864 Hoffman & Buff deposited ~~from~~ carbon from carbonaceous material by electrical incandescence. Be undoubtedly obtained that information from you. Please write me where I can find a record of Hoffman & Buff's experiments. Let me know immediately if possible.

I have written Major Eaton suggesting consultation on the part of counsel for the three Cos interested in these suits.

Yours truly
Rich'd N. Dyer

519 Seventh Street,
Lock Box 100.

GEO. [illegible]ER,
Attorney and Counsellor at Law,
(Specialty, Patents.)

1883-08-18

Washington, D. C., Augs 8 188 3

AUG 20

Augs 8 1883

FILE NO.

Mr T. A. Edison:

Dear Sir:

To day's work on the Sawyer & Man patents has had a favorable result.

I hope you will be able to send me the reference to Hoffman & Buff's experiments.

I also want to find that reference to carbonizing thread which you told me I think is in Watt's Dict. I can't find it there.

These references are to depositing carbon. You don't infringe, but the patent should be "busted" if possible.

Yours truly
Rich'd N. Dyer

1283 0820

August 20th/83

R. Conkling

Re Sawyer v Mann Interference

2 Wall Street.

Aug. 20 1883

My dear Mr Edison:

I fear you may not have an opinion of the Eng's in Sawyer v Mann interference, I send it for you to run over.

Please return it in the course of say two or three days, as I need it in preparing additional Brief.

I need hear any criticism or

T. A. Edison Esq
Menlo Park

or suggestion seem to you likely to instruct me, please send when you return the opinion.

Cordially yours

Roe E. Prentiss

1883-08-21

SAMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O. Box, 4689.

New York, Aug 21 1883

Prof. Thos A. Edison

Dear Sir

You have several sets of papers on divisions of the Telephone applications that are awaiting your execution. These were laid aside until your name was placed on the Telephone boxes.

That matter having been fixed, please execute these divisions and send them to me at your early convenience. Probably some others will be needed and I cannot tell what until these papers are sent back to me.

Yours truly

Samuel W. Serrell

42
Aug 25/83

re case of 25

1883-08-25

Gentlemen: Shall I have the attorney call on you
with 2 Wall Street.

Aug 25. 1883

Hallifax Donnell Esq
Engineering Contracting, will
appeal, and that he
signed [illegible] arrangements accordingly

My dear Sir:

Referring to your
letter of 25th inst. asking
me to act as counsel in
appeals from the decision
of Primary Examiner in
Speaking Telephone Interferences,
I have deferred answer owing
to a like application simultaneous-
ly from other parties in interest
rendering it desirable to
see them so as to avoid possible
misunderstanding

Thomas A. Edison Esqrs.
New York.

misunderstanding.
Having done this, I
am now free in the
matter, and will act
for you with pleasure.
Please in good
season have your Patent
Atty. communicate with
me.

Cordially yours
[illegible]

1883-08-25

GEO. W. DYER,
ATTORNEY AND COUNSELLOR AT LAW,
(Specialty, Patents.)

519 SEVENTH STREET,
Lock Box 100.

WASHINGTON, D. C., August 25th 1883

Mr Samuel Insull
65. Fifth Ave. N.Y.

My dear Sir.

I do not know that Mr Edison is hard up in money matters, but I know that I am, and would regard it as an act of personal kindness toward me, if you would send me a check for my acct which is $180. of which a considerable portion was for disbursements.

The payment of that acct, would wind up the expenses on magnetic matters so far as I am concerned.

Yours truly
Geo. W. Dyer.

1883-05-28

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 COURT STREET, BOSTON.

GEORGE F. HALE.
CHAS. F. WALCOTT.

Boston May 28 1883

FILE NO.

Dear Sir;

We have drawn some interrogatories to take the deposition of Milton S. Adams who was a co-worker with Edison here in the interest of Welch the plaintiff. Have you anything from Anders, or anyone else besides what you have already forwarded to us? Adams we suppose to be in Paris; the important point in his testimony is that he remembers that Edison gave Welch his promissory note for the money which is made the consideration of the agreement of April 7/69. When the commission is issued for taking the deposition shall we forward it for taking through you, or how?

Yours very truly
Hale & Walcott

42

Ohrigs

28 173

Wallace Bedford

1883-08-30

LEMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MORSE BUILDING
110 NASSAU STREET,

P.O.Box, 260.

New York Aug. 30 1883

R. N. Dyer Esq

Dear Sir

Yours of 28 inst. to hand. I did not obtain any patents for Mr. Edison on the Carbon Telephone in Brazil or the Argentine Confederation and I can not find that I prepared any appns. for Patents in those Countries —

Use in the Argentine Republic and use or publication in or out of Brazil prior to the appn. for patent are fatal to the validity of patents in those Countries, excepting that in Brazil, if the invention has been patented abroad seven months from date of patent are allowed in which to apply for Patent.

Yours truly
Lemuel W. Serrell
pr C. H. Smith

1883-08-31

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MORSE BUILDING
144 NASSAU STREET,

P.O. Box, 260.

New York, Aug: 31st 1883.

T. A. Edison Esq.

Dear Sir:

Your favor of 30th inst. is to hand.

At the argument of the appeal in the Nicholson interference on Tuesday last, Mr. Conklin was associated with Mr. Eils on behalf of Nicholson.

I mentioned to him that you had intimated that he would probably assist me in the argument of the telephone cases, but he said that he was under the impression that he could not do so, in consequence of a previous retainer from conflicting parties.

I think it will be best for you to communicate with him direct, and let me know whether he can give his attention to the matter.

Yours truly
Lemuel W. Serrell
p Brickner

31

Sept. 3rd/83
Geo. M. Hopkins
re- desiring to use
T. A. Es name as
reference

1883-09-03

OFFICE OF THE
Scientific American,
MUNN & CO., Editors and Proprietors.
No. 261 Broadway.

RECEIVED
SEP 4 1883
ANSWERED
A. E. BEACH.
FILE NO.

You may use my name
for reference
Edison

New York, Sep 3 1883

T. A. Edison Esq
My dear Sir:
I am about to leave this firm and establish Patent Offices of my own, and naturally I want to profit by all available means. I know it would be a great benefit to me if you would allow me to place your name on my list of

1883-09-03

references, will you allow me to do it? The list will be short and first class.

It is my intention to do a high class of work, and nothing else.

Sincerely yours
Geo M. Hopkins.

2 encl.

1883-09-04

LEMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
MORSE BUILDING
140 NASSAU STREET.

RECEIVED
SEP 5 1883
Sep 5/83
FILE NO.

P.O.Box. 260.

New York Sept. 4th 1883.

Thos. A. Edison Esq.

Dear Sir:

Your favor of yesterday is to hand. I have written to Mr. Conkling with reference to the telephone appeal.

In regard to the quadruplex interference, for which we have arranged for taking your testimony on Friday of this week, the present is to enquire whether you have a Notary at your place who can attend to the matter, or whether you wish me to arrange for some one to take charge of it.

Yours truly
Lemuel W. Serrell
per Pinckney

42

September 5. 1883
Roscoe Conkling
re his going to
Washington and
encloses his brief
v Sawyer & Man Interference cases

1883 09 06

FILED
SEP 6
FILE No.

2. Wall Street.
New York.
Wednesday

My dear Sir:

I go to Washington tomorrow to argue the Sawyer & Man Interference on appeal before the Court; and thinking you may like to see my Brief, I send you a copy.

Officially yours
Roscoe Conkling

T. A. Edison Esq.

1883-09-08

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

8th September 1883.

Dear Sir,

Patent. No 3894. 1880.

Referring to our letter of the 21st July of which we append a copy we write a line to remind you that the 3rd year's duty on this patent falls due on the 25th inst & that at present we have not received your instructions.

We are, Dear Sir,
Yours faithfully,
Waterhouse Winterbotham & Harrison

Write Mr Fabbri to Standard Table Works to Southampton pay fees

T.J. Southampton WC

We shall also be glad to receive the licence executed. Wright

T.A. Edison Esq.
65 Fifth Avenue New York. U.S.A.

1883-07-21

Copy/

1, New Court, Carey Street
Lincolns Inn W.C.
21st July 1883

Dear Sir,
Edison Electric Light Coy

We enclose herewith Engrossment of the licence for use of Patents for locomotion which has been approved by you. Will you kindly execute it in the presence of one Witness and obtain the execution of Mr Fabbri and Mr Lowry & return it to us? A part of the Agreement will be sealed by the Company and shall be sent to you in due course.

The 3rd years duty on the English Patent No 3894 dated Sept. 30th 1880 falls due on 30th Sept. next. This Patent refers exclusively to locomotion and we write to inform you that the English Coy do not

propose to keep it in force. If you wish it kept in force perhaps you will kindly communicate either with us or with Mr. Handford.

We are, Dear Sir,
Yours faithfully
Waterhouse Winterbotham Homer

J. Addison Esq
65 Fifth Avenue
New York

Welch v Edison

1883-09-14

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 COURT STREET, BOSTON.

GEO. S. HALE.
CHAS. F. WALCOTT.

Sept. 14 1883

My dear Mr Lowrey

As you know the next term of our circuit Court - at which Welch v Edison may come up begins Oct 15th next. I think we should send out a Commission to Adams. (copy of above letter of Feby 26. 1883 we have.) and therefore submit the enclosed form for your perusal. please examine - them in connection with the original of that letter and any other information you or Mr Edison have and return them to me at your very early convenience with any corrections additions or suggestions - Will you also suggest a my Commissioner who will occur to you in Paris & indicate how & where Adams can be found to obtain his testimony Her letter bears date at 41 Rue Galilee, Paris -

1883-09-14

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 COURT STREET, BOSTON.

GEO. S. HALE.
CHAS. F. WALCOTT.

..... 188.....

If you do not know any Commissioner whom you prefer, would you choose General George Walker (whom you doubtless remember in connection with the Telegraph Company). be in such a position from his old association with Edison that there would be any impropriety or objection to sending the Commission to him — If he is entirely free in that regard he is a most competent & excellent person as you know.

Yours truly Geo S Hale

P.S. Can you not give us — the names & addresses of any other witnesses. Do you hear from Anderson & Shale who "fire in the dark" at him

Welch v Edison

1883·09·17

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 Court Street, Boston.

Geo. S. Hale.
Chas. F. Walcott.

Sept. 17th 1883

G. P. Lowrey Esq.
My dear Sir;

I have yours of the 10th as to Welch v. Edison – I understand you wish to delay the case and I deem it desirable with that in mind to send out our commission or commissions quite soon – I wish also to suggest for the consideration of yourself and Mr. Edison in connection with Mr. Adams' letter the following additions to the Interrogatories sent you –

Int. 6 – after "concerned" insert 'or interested' and after "Edison" insert "or Welch"

Int. 8 – At end add – "State all you know as to whether any definite agreement was ever made as to any consideration to come to said Edison and you or either of you from said Welch in the matter and your means of knowledge or reasons for your statement as to this –

Int. 9 – after "paid by said Welch" make it read

1883-09-17

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 COURT STREET, BOSTON.

GEO. S. HALE.
CHAS. F. WALCOTT.

2

.....188.....

"to or for said Edison or you" after "such payments" insert "and all circumstances in regard to same and said Welch's ~~conduct referring~~ conduct in reference thereto"

Int. 10 after given by said Edison insert "or yourself ~~or anyone else~~ in connection with the matters already inquired of" and add at end of 10 after "said Edison" "or you" also add

Int. 11 - When did you leave Boston for San Francisco and when, if at all, have you since been in Boston?" —

Please have these, if approved copied on to the paper sent you and return same to

Yours truly

Geo S. Hale

[FROM CHARLES BATCHELOR?]

Blank No. 3.

1883-09-18

No. 613 CABLE MESSAGE. 4W.

from

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

A. R. BREWER, Secretary. NORVIN GREEN, President.

Check. Paris

Edison New York
65 - 5th Ave

Received at 852 BROADWAY Sept 18 1883

Wire authorization light Company to drop patents Seven Seventeen Twenty Five Twenty seven reply Brickex Electric

To guard against mistakes on the lines of this Company, the sender of every message should order it repeated; that is, telegraphed back from the terminus of said lines to the Originating Office. For such repeating, the sender will be charged in addition, one half the usual tolls of this Company, on that portion of its lines over which such message passes.

This Company will not assume any responsibility in respect to any Message beyond the terminus of its own lines; and it is agreed between the sender of the following Message and this Company, that said Company shall not be liable for mistakes or delays in transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any unrepeated message, beyond the amount of that portion of the charge which may or shall accrue to this Company out of the amount received from the sender for this, and the other companies, by whose lines such message may pass to reach its destination; and that this Company shall not be liable for mistakes in the transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any repeated message, beyond fifty times the extra sum received by this Company from the sender for repeating such message over its own lines; and that this Company shall not be liable in any case for delays arising from interruptions in the workings of its lines, nor for errors in cipher or obscure messages. And this Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other company to reach its destination.

This Company is not to be liable for damages in any case, where the claim is not presented in writing, within thirty days after the sending of the message.

1883-09-18

Memorandum

COMPAGNIE CONTINENTALE EDISON

Société Anonyme Capital 1 million de francs

PARIS, le 18 Sept. 1883.

M Th. A. Edison Esqre
New York. U.S.

Patent department.

Dear Sir

Enclosed the informations on Sawyer & Mannis patents & the blank powers to take out patents which we send you according to our letter of the 17th inst

Yours sincerely

COMPAGNIE CONTINENTALE EDISON

Administrateur Délégué

[ENCLOSURE]

1883-09-18

Cie CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE
EDISON, PARIS

Service des Brevets
Patent department.

Paris, le 17 Septembre 1883
33, Avenue de l'Opéra

Have sent copy to Mr Batchelor about this

Thomas Alva Edison Esqre
65 Fifth Avenue
New York. U.S.

Dear Sir,

We last wrote on the 10th concerning Russia Set 2. Since we are in receipt of Major Dyers letter dated 30th August for which we are much obliged.

Form of renewal of a patent in Italy.

According to your desire we have asked for a form of grant of renewal of a patent by the Italian Government I shall send to you same as soon as possible. —

List with Mr Edisons views on Cont.l patents

We are very much obliged to you for that list which we shall examine attentively with Mr Batchelor. None of the patents where you tell us to use our own discretion shall be allowed to lapse without the advice of Mr Batchelor.

Set 28 You forgot to let us have your opinion on that set. Will you please let

1883-09-18

Cie CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE
EDISON, PARIS

Paris, le 18 Septbr 1883

33, Avenue de l'Opéra

(2)

us have same by return.

Set 12. (electrical railways) belongs to this Company, but has not yet been turned over to us. We have paid regularly the annuities of this set which has only been patented in France. You will be very kind in telling us know your opinion on this patent sooncst possible

Authorization of the Light Company

If you will let us have as soon as possible the authorization of the Light Company to let the patents lapse which you indicated to us as of no importance & where you permitted us to use our own discretion, you will greatly oblige us.

Annuities on sets 7 – 25. – 29.

These annuities are due very soon & as we are obliged to work Set 17 (arc light) in Spain if we wish to uphold it, we wired to you today as follows:

"Wire authorization Light Company to "drop patents 7 – 17 – 25 & 29, reply quickest"

I expect your answer as soon as possible.

[ENCLOSURE]

1883-09-18

Cie CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TELEGRAPHIQUE
EDISON, PARIS

Paris, le 18 Sept 1883

33, Avenue de l'Opéra

(3)

Set 62 (new meter) We have noted that as Mr Edison considers that set as one of very little importance, we need not file it.

Sawyer & Mann. Under separate cover we send you the informations Major Dyer wished for according to his letter of the 25th of June.

We enclose also a separate list of Sawyer & Manns patents which may be useful to you.

Powers for Patents. Under same cover as the informations on Sawyer & Manns patents we send you blank powers for taking out patents in the various countries.

Kindly return us same signed by you.

We sent you also some blank powers for Russia & Danomark in case we should require to take out any patents in these countries.

Set 63 was filed in France, Germany, Italy, Belgium, Spain on the 28th August, the date indicated by you in your wire.

Austria. Will you please let us know if you have any objection that we should have our austrian patents issued according

[ENCLOSURE]

1883-09-18

Cie CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE
EDISON, PARIS

Paris, le 18 Septbr 1883

33, Avenue de l'Opéra

(4)

To our letter dated 23rd July addressed to Major Dyer.

Although we are nearly certain you will have no objection we still prefer to have your consent before issuing these austrian patents.

We are,
Dear Sir,
Yours sincerely
COMPAGNIE CONTINENTALE EDISON
Administrateur Délégué

1883-09-19

EMMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,
P.O. Box 260.

New York Sept. 19th 1883.

Thos. A. Edison Esq.

Dear Sir:

Can you let Mr. Conkling have a copy of Vol. 3. of the Telephone testimony?

I can let him have Vols 1. and 2. but have no extra copy of Vol. 3.

Yours truly
Emmuel W. Serrell
p Vinckney

Can't find this Volume

1883 27-25

PATENTS,
CAVEATS,
DESIGNS,
TRADE-MARKS,
LABELS,
COPYRIGHTS.

GEO. M. HOPKINS,
Patent Attorney,
137 TEMPLE COURT.

BRANCH OFFICES IN
LONDON,
PARIS,
VIENNA,
BERLIN,
MADRID.

P. O. BOX 2141.

New York, Sept 25 1883

Mr T. A. Edison,

Dear Sir:

I beg to state that I have taken new offices in Temple Court — (3 to 9 Beekman St) where I shall continue to act as solicitor of American and Foreign Patents.

I have had over sixteen years experience in the business, and have the confidence and patronage of many of our best inventors.

In consequence of the recent decisions relating to Reissues, it has become a matter of serious importance to inventors to have their applications prepared so as to secure the protection the Patent Law is designed to afford.

All cases entrusted to my care receive my personal attention, and are carefully prepared with the view of thoroughly protecting the interests of my clients.

Should you desire to make inquiries regarding patent matters, or should you have occasion to transact any business with the Patent Office, I should be happy to see you in person, or to correspond with you.

Respectfully,

Geo M. Hopkins.

1883-09-26

PATENT AND DESIGNS REGISTRATION OFFICE,

(ESTABLISHED 1844)

33, CHANCERY LANE, LONDON, W.C.

26 Septr 1883

To Col Jourand

DEAR SIR,

Mr Edison's ~~Your~~ Patent for Great Britain, No. 4276 1880 "Treating auriferous ores" will expire unless the Stamp Duty of £ 50 be paid, and the steps connected with the payment of the same be taken prior to the 16th October 1883

As the Patent has to be left at the Stamp Office to be stamped, and afterwards produced at the Office of the Commissioners of Patents to be certified, it necessarily takes some time to get the transaction completed. We have therefore to request that if you intend to extend the term of the Patent you will send us £ 52 10:0 Government Fee and Agency, ~~together with the Patent~~, by the 12th October next, at latest, when all the necessary steps shall be taken and the Patent returned duly stamped and extended. The above amount will prolong the Patent for a further period of 14 years.

Your acknowledging receipt of this Notice will oblige,

Yours obediently,

Brewer Ransay

1883-09-26

LEMUEL W. SERRELL
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
144 NASSAU STREET,

P.O. Box, 260.

New York, Sept. 26th 1883.

Thos. A. Edison Esq.

Dear Sir:

I am in receipt of a letter from the Patent Office stating that in the matter of the appeal to Examiner-in-Chief in the Nicholson case, the decision of the Examiner of interferences is affirmed, awarding priority to you on all the counts except the first, which is decided in favor of Nicholson.

An appeal may be taken within 30 days if desired.

Is there any object in taking an appeal?

What is the 1st Count?

Yours truly
Lemuel W. Serrell
per Pinckney

1883-09-27

CABLE ADDRESS, "VERNERVE, NEW YORK."

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,

Agrees with all but last item
Write accordingly
T. A. Edison

NEW YORK CITY, Sept 27 188 3

T. A. Edison Esq

Dear Sir:

Referring to letter of the Continental Edison addressed to you and dated 10th Sept 83, asking for instructions as to dividing Continental rights in Russia, I beg to report as follows:

It seems to me that the action of the Russian authorities with regard to this case, places the Continental Company in position to remedy in Russia the mistakes which have been made in other countries with regard to this important patent, by discarding the great mass of unimportant matter and confining the case to the points which experience has shown to be of great value.

I consider those points to be, (1) the placing of an incandescing conductor in an exhausted chamber made entirely of

1883-09-27

CABLE ADDRESS, "VERNERVE, NEW YORK."

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,
NEW YORK CITY, ... 188

2

glass with leading in wires sealed into the glass, ~~by the fusion~~ and (2) the driving out of the incandescing conductor of the occluded gases, by raising said conductor to incandescence during the operation of exhausting the lamp globe.

The specification describes lamps of carbon as well as those of metals, and care should be taken to make it clear that the patents are intended to be covered without regard to the material of which the incandescing conductor is made.

This matter I think should be made the subject of one division.

If a second division is decided upon, the meter connections shown in figure 73, should I think be made the subject of it, since I consider that arrangement as next

1883-09-27.

CABLE ADDRESS, "VERNERVE, NEW YORK."

RICHARD N. DYER,
ATTORNEY AT LAW AND SOLICITOR OF PATENTS,
No. 65 Fifth Avenue,
NEW YORK CITY, ... 188

3

in importance. The points should be covered by the arrangement of the meter in a shunt around a definite resistance in the main line, and the use of a compensating resistance in circuit with the cell. The meter shown in figure 94 could also be included in the case.

I see nothing further of any considerable importance in the case which could probably be patented in Russia

On further consideration, I think it might also be well to include in the first division the peculiar lamps made by passing a ~~stick~~ wire through a line in a vacuum and by the use of a mixture of finely divided metal and insulating material for the incandescing conductor. I recommend this not knowing what importance these features may have in the future, but knowing as you do the nature of the success you had with these lamps, your opinion on this point should be conclusive.

Richd N. Dyer

(Welch vs Edison) 1883-09-27

HALE & WALCOTT,

39 COURT STREET, BOSTON.

GEO. F. HALE.
CHARLES WALCOTT.

Yours very truly
Hale & Walcott

Sept. 27 1883

Grosvenor P. Lowrey Esq.
No. 3 Broad St.
N. Y.

Dear Sir;

We enclose draft of inst. to plfff. — Please add. anything that occurs to you & return at an early date. — We regard it as quite important to get out the Adams Commission as soon as possible and if you find it difficult to get at Mr. Edison, please return our inst. to Adams with any suggestions of your own.

Yours

1883-09-28

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,
P.O. Box, 4689.

No appeal

New York, Sept. 28th 1883.

Thos. A. Edison Esq.

Dear Sir:

In reply to your favor of 24th inst. I inclose herewith a copy of the counts in the interference Edison vs. Nicholson, (case 99) Duplex Telegraphs.

Yours truly
Lemuel W. Serrell
J. Pinckney

Edison
Is an appeal
to be taken

[ATTACHMENT]

1883 09.26

Ni E

Edison vs. Nicholson: Interference on Duplex Telegraphs. (case 99)

1st Count: In a single line telegraph system the combination at one station substantially as specified of two independent electrically connected keys, one of which, say the first key, when operated, reverses the circuit controlled by the second key, independently of the position or action of the second key.

2nd Count: The method herein described of transmitting two distinct messages over one wire in the same direction at the same time, one operating by reversal of the battery current and the other by increasing or decreasing the current from the battery.

3d Count: The combination with a telegraphic circuit and battery of two keys at one station acting independently, one to reverse the polarity and the other to increase or decrease the strength of current, and two receiving instruments at the other station operated independently, one by the change of polarity and the other by the change in the strength of the current.

[ATTACHMENT]

4th count. In combination with a telegraphic circuit, a battery, the whole or a portion of which is permanently in the line circuit, and two independent keys or transmitters, the first key so constructed as to ~~co~~ reverse the polarity of whatever current is passing from the battery to line without reference to the position of the second, and the second key so arranged as to increase or decrease the strength of the current in action at pleasure, without reference to the position of the first.

5th count. In an apparatus for simultaneous transmission of two sets of telegraphic signals from the same station, the combination with a line wire of the double current or current reversing key constructed and arranged substantially as described, and the single current or three-point key constructed and operating substantially as described."

Meter

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON,
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

Octr 1st 1883.

Dear Sir,

Patent No 4391

The 3rd year's duty on this Patent falls due on the 26th instant and Mr. Shelford Bidwell advises the Directors that owing to prior publication it is not a Patent which should be kept up. Our Company will therefore allow the Patent to drop but we think it right to apprize you of their intentions. The Patent you will recollect is one for meters.

We are, Dear Sir,
Yours faithfully,
Waterhouse Winterbotham & Harrison

Edison Lodge
Fifth Avenue
New York
U.S.A.

Oct 1/83

Waterhouse Winterbotham & Harrison

1883-10-01

26

necessity of immediate action

Oct 29/83

I cannot assure you of the delay desired by Mr Lawrey but in any case — but I urge the immediate return of the Interrogatories to help in obtaining it & would caution you to be prepared for the risk of failure & the necessity of Mr Edson's attendance.

Yours truly
Geo. F. Hale

Welch v Edison

Rec'd Oct 11/83

Octo. 9. 1883
39 Court St
Boston

C. R. Stone Esq

Dear Sir Did you receive a note from me in regard to the case of Welch v Edison & the importance of promptly filing interrogatories for a deposition of Mr Adams vs Mr Welch.

I have no reply and beg you to excuse me for asking it & for pressing upon you & Mr Edson the

b0-01-3-0-09

DOMINION OF CANADA

PATENT OFFICE

86

This is to certify that Thomas Alva Edison the holder of Patent No. 11,520 Granted to Thomas Alva Edison, for alleged new and useful improvements on Electric Lamps, and in the method of manufacturing the same bearing date the Nineteenth day of July, one thousand eight hundred and eighty has paid to the Commissioner of Patents on the 4th. day of May 1883, the sum of twenty dollars, being the fee required for the further term of five years, to commence and to be computed on and from the nineteenth day of July one thousand eight hundred and ninety, as provided by section 17 of the Patent Act of 1872, amended by the Act of 1883.

IN TESTIMONY WHEREOF I have hereunto set my hand and caused the seal of the Patent Office to be hereto affixed, at the CITY OF OTTAWA, in the Dominion of Canada, this Thirteenth day of October in the year of Our Lord one thousand eight hundred and eighty-three.

J. H. Pope

Commissioner of Patents.

Countersigned
A. J. Cambie
Deputy Commissioner.

(Note. On back of certificate is An Act to amend Patent Act of 1872)

1883-10-13

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O. Box, 4689.

New York, Oct. 13th 1883.

T. A. Edison. Esq.

Dear Sir:

I have to acknowledge the receipt of your Canada Patent No 9282 of Oct 19. 1878 on Phonograph, for purpose of extension.

Yours truly
Samuel W. Serrell
Hinckney

Same from your account.

Yours truly

D. H. Brandon

BRANDON
INGÉNIEUR CIVIL.

ETUDE DE TRAVAUX MÉCANIQUES,
Construction & Surveillance d'Usines & Machines,
BREVETS D'INVENTION,
TOPOGRAPHIE,
Lithographie & Gravure sur Bois.
ÉTABLI EN 1854.

HISTOIRE, ORIGINE, COMPOSITION, PROPRIÉTÉS,
Raffinage, Emploi, Valeur
DU
PÉTROLE
PRIX 2f50
OUVRAGE IN OCTAVO ORNÉ DE GRAVURES

APPAREILS PHOTOGRAPHIQUES
Pantascopiques.

PARIS, 1, RUE LAFFITTE

1882-10-14.

Paris 1, Rue Laffitte
le 14 Octobre 1882.

CHAS. BATCHELOR.

Duc Lnd & Cam Edison
Ch Batchelor Esqre
Ivry sur Seine

Dear Sir

In reply to your favor of yesterday I beg to state that the item £62.25 has reference extra towards six specifications, translation & engraving viz 4150 £1.50 per o/o, the accepted average is 2000 words at £38 contained 6150 — Item 65/ is for the drawings as usual to said patent viz 6 sheets containing in all 15 figures making duplicates 12 sheets.

The item of 60/ has reference to extension to Colonial & foreign patents at £18.6 we have credited Jul: 17 this sum to the Co avenue de l'opera bill inclo, if you prefer, deduct the

cc Kelly.

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON,
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

Oct. 16th 1883.

Dear Sir,
Railway Patent No 3894

We are obliged by your two letters of the 4th and 5th instant and have to report that the duty on this Patent was duly paid on the 25th September.

We are, dear Sir,
Yours faithfully,
Waterhouse Winterbotham & Harrison

T. A. Edison Esq.
65 Fifth Avenue
New York U.S.A.

3
Oct 16/83
Waterhouse Winterbotham & Harrison
re Payment of fees
No. 3894

1883-10-16

Welsh v Edison 1883-10-18

T. A. Edison, Esq. Dear Sir,

On my return to my office I find the enclosed letter from Mr. Hale. I have no knowledge at all about the suit he refers to, and on inquiry here at the office do not find any one who does. I enclose the newspaper slips contained in Mr. Hale's letter to me.

Yours very truly
W. Darrah Hall

Oct 8/83.

Circuit Ct. Mass } Welch v Edison — 1883-10-03

HALE & WALCOTT,
Attorneys and Counsellors at Law,
39 COURT STREET, BOSTON.

GEO. S. HALE.
CHAS. F. WALCOTT.

Oct 3d 1883.

G. P. Lowrey Esq or Chas. F. Stone Esq

Dear Sir

I cut out & enclose a slip from the newspaper (Daily Advertiser) of today in regard ~~to the~~ business of the U.S. Circuit Court coming on here Oct 15th current. We shall not set down this case for trial. but Mr Welch's counsel may do so. & while I regret to trouble you & Mr Edison - I deem it quite desirable to file our interrogatories to Mr Adams — as well as those to Mr Welch without delay. - They may affect the question of postponement - if - we need to ask for it - Even if you cannot get at Mr Edison it may be well (it will be well) to return the enclosed filing with such suggestions as you deem best - as your very early convenience - Yours truly

Geo S Hale

P.S. As Mr L. I hear is absent I beg Mr Stone's attention to the matter

Meter 1883

Mr Gerry.

The English patent covers the automatically registering balance plate meter. This patent will probably be dropped by the Central Co also, since Mr Edison has advised that Co to pursue its own direction.

Not much is left in this patent by reason of the earlier patent of Sprague. The U.S. patent is earlier than the English patent, and hence no damage can be done to the U.S. Co by the failure to pay the taxes in England.

If you think from the letter that the tax may be paid if you don't care, you had better cable the English Co to drop the patent.

Yours

Phono

1883-10-29

RECEIVED
OCT 31 1883
ANSWERED
10/31/83

FILE No.

LEMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O.Box, 260.

New York, Octo. 29th 1883

T. A. Edison Esq
Dear sir

I send herewith your Canadian Patent of Octo. 19. 1878 for Phonographs This patent has been duly extended for five years as you will see by the certificate attached to patent –
Please sign and return receipt for patent
Obliged

Yours truly
Lemuel W Serrell
per O H Smith

111644 Nov 13/88 1883-11-13.

T. A. Edison and B. Bergmann Telephone Improvement

1st " In a telephone for transmitting articulate speech a device for receiving articulate sound waves, consisting of a body which is impartial to all rythmic sound vibrations within the compass of the human voice substantially as set forth

2nd " In a telephone for transmitting articulate speech a device for receiving sound waves consisting of a suitable solid diaphragm, plate or body, and means for destroying its capacity for specific rhythmic vibrations substantially as set forth.

3rd " In a telephone for transmitting articulate speech a device for receiving sound waves, consisting of a suitable solid diaphragm, plate or body, or a body of liquid or equivalent material substantially as set forth

4th " In a telephone for transmitting articulate speech, the combination with electrodes in an electrical circuit of a body receiving the sound waves and producing movement of such electrodes, which body is impartial to all rhythmic sound vibrations within the compass of the human voice substantially as set forth

5th " In a telephone for transmitting articulate speech the combination with a device for opening and closing an electrical current of a body receiving the sound waves and operating such circuit opening and closing device, which body is impartial to all rhythmic sound vibrations within the compass of the human voice, whereby the circuit will be opened and closed in true unison with the articulate sound waves substantially as set forth

6th " In a telephone for transmitting articulate speech the combination with a fixed electrode of a movable electrode, and a body moving the movable electrode, which body is receptive of articulate sound waves but is impartial to all rhythmic sound vibrations within the compass of the human voice, substantially as set forth.

7th " The method of transmitting articulate speech, which consists in opening and closing an electrical circuit in unison with the sound waves, each sound wave being responded to from the normal condition of the circuit, substantially as set forth.

Electric Pen 1883-11-13

Nov 15 83

Dear Russell -

The inclosed letter and pamphlet copy I received from Mr Lemell in reply to the enquiry I made of him as to French patent on electric pen. The 7th claim covers the peculiar form of battery, butonly in combination with flexible conductors, a magnetic motor and a perforating pen. In this country such a claim would only cover the battery when used in the combination, and would not cover it when used for another purpose with other devices than those named in the claim. ~~I presume~~ ~~But~~ whether or not the same rule of construction would be applied to the claim in France I can not.

Yours
R. N. Dyer

1883-11-15

43

Nov. 15

Re. Railway licenses - Waterhouse W. & Harris - London

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON,
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

Nov. 15th 1883.

Dear Sir,

License for Railways

We have the pleasure to enclose herewith one part of the License for use of the Patents the property of the Edison Electric Light Company for locomotion sealed by the Company. Perhaps you will be good enough to let us have a line acknowledging its receipt.

We are, dear Sir,

Yours faithfully,

Waterhouse Winterbotham & Harrison.

T. A. Edison Esq:
65 Fifth Avenue New York U.S.A.

Telephone

1883-11-15

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O. Box, 260.

New York, Nov. 15th 1883.

Thos. A. Edison Esq.

Dear Sir:

I send you by this mail a copy of my argument in the Telephone interferences A & L & No. 1.

Please let me know if you desire any different or additional points presented in the argument on appeal?

Yours truly,
Samuel W. Serrell
per McKney

Write & say I do not see that you could add anything it seems to be full enough — E

1883-11-21

BRANCH OFFICES IN LONDON, PARIS, VIENNA, BERLIN, MADRID.

GEO. M. HOPKINS,

Patent Attorney,

137 TEMPLE COURT,

ELECTRICAL CASES A SPECIALTY.

New York. Nov 21 1883

Mr T. A. Edison

My dear Sir

Kindly reply to the enquiry in the enclosed letter and return the letter and answer to me.

Respectfully yours

Geo M Hopkins

1883-11-22

HALE & WALCOTT,

GEO. S. HALE.
CHAS. F. WALCOTT.

39 COURT STREET, BOSTON.

Nov 22 1883

Thos A Edison Esq
65 Sixth Ave N.Y.

Insull where are these Interrogs
=(when does Adams return

Dear Sir

We have yours of 21st as to Welch v Edison & Mr Michin Adams & shall be happy to be at once advised when you are ready to proceed in taking his testimony. You do not speak of our interrogatories to Welch. Please consider same addressed as to them

Yours truly
Geo S Hale

1883-12-01

PATENTS,
CAVEATS,
DESIGNS,
TRADE-MARKS,
LABELS,
COPYRIGHTS.

P. O. BOX 2141.

GEO. M. HOPKINS,

Solicitor of Patents,

137 TEMPLE COURT,

BRANCH OFFICES IN
LONDON,
PARIS,
VIENNA,
BERLIN,
MADRID.

New York, Dec 1 1883

Mr Thos A. Edison.

Over

My dear Sir:

My object in calling on you at 65 Fifth Av this morning was to talk with you about patent business. I wrote you on the same subject some time since but received no reply. To come at once to the point in the matter, I am extremely desirous of conducting a few patent cases for you not for any profit there might be in the cases alone, I care nothing for it but your standing in electrical circles and your world-wide reputation would be of great benefit to me if you would allow me to procure a few patents for you. Of course you know this as well as I do. I have had an experience of twenty years in this business and know I can satisfy you. I have no desire to interfere with your present plans, and I do not ask or expect

(over)

general patent business.

Can't you give me a trial on a few cases?

Very respectfully

Geo M. Hopkins.

The trouble is that I have an arrangement with Mr Dyer at our office which I am bound to - but I will see what I can do to bring you into some of our patent cases.

E

1883-12-01

Encl.

34 Walbrook, London, E.C.
1st December 1883.

T. A. Edison Esq.
65 Fifth Avenue,
New York.

Dear Sir,

In re Edison's Italian Patent No. 9791 applied for on the 19 January, and delivered on the 8th February 1878.

We are advised by our Patent Agents that as the term for which this Patent was granted, viz: 6 years, expires on the 30th March 1884, it will be necessary to apply for a prolongation before that date or the Patent will lapse. - The period of extension would be for another 9 years, making 15 in all.

It is the desire of my Directors that this extension be obtained, especially in view of the fact that a Licence under it has just been requested for the province of Rome, - and to this end I herewith beg to enclose a power to be signed by you before a notary, who must afterwards obtain the legalization of the Italian Consul.

We

We should be glad if this document could be executed and returned to us in course of post.

Thanking you in advance for your trouble in the matter.

I am Yours Obediently,

R. Rodgers.

Secretary.

EDISON GOWER-BELL TELEPHONE
COMPANY OF EUROPE, LIMITED.

1883-12-10

RECEIVED
DEC 10 1883
ANSWERED

.....188...

FILE No.....

Mr. Edison,

I had a long interview with Conkling about our proposed patent legislation at Washington. He is going to Washington next week in the Telephone cases and will look the matter up and report to me on his return.

S. B. Eaton

Dec. 8th. 1883. per Mc.G.

1883-12-19

Mr. Edison

I enclose drawings which I obtained from Mr. Sewell, and the Italian patent referred to in Mr. Rodgin's letter. You can see from them what it covers. The power of attorney is in the usual form. It should be signed with your full name, acknowledged before Mr. Meadowcroft, and his signature legalized by the Italian Consul.

Yours truly
A. E. Seely

Dec. 19, '83

[FROM CHARLES BATCHELOR?]

1883-12-27

CABLE MESSAGE.

WESTERN UNION TELEGRAPH COMPANY.

MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
153	Sd	514	Paris

Nov.

Received at 254 B'WAY.

Dec 27 1883

To Edison NY

Edison 65, 5 av NY

Marsin brings before Court american decision edison Sawyer send full details

Edison

1883-12-31

SAMUEL W. SERRELL,
SOLICITOR OF
AMERICAN & FOREIGN PATENTS
140 NASSAU STREET,

P.O. Box, 260

New York Dec. 31st 1883.

Thos. A. Edison Esq.

Dear Sir:

In connection with the telephone interference matters, it is desired to refer to one of your exhibits Dated April 4. 1877. Sketch of variable pressure on carbon, with writing on it. It was not introduced in the record. Can you loan me this sketch, so that I may have it photo-lithographed.

Yours truly
Samuel W. Serrell
per Dinckney

Speaking. 1883

To the Honorable Commissioner of Patents:

Your Petitioner Thomas A. Edison, of Menlo Park, in the County of Middlesex, and State of New Jersey prays that **LETTERS PATENT** may be granted to him

for the invention of an Improvement in Speaking Telegraphs (Case 141A) set forth in the annexed specification.

And further prays that you will recognize LEMUEL W. SERRELL, of the City of New York, N. Y., as his Attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the Patent, and to transact all business in the Patent Office connected therewith.

.....

.....1883.

Thos A. Edison

State of New York
County of New York } ss: Thomas A. Edison the within named applicant a resident of Menlo Park, in the County of Middlesex, and State of New Jersey, being duly sworn deposes and says that he is a citizen of the United States, that he verily believes himself to be the original, sole, and first inventor of the Improvement in Speaking Telegraphs described and claimed in the specification hereunto annexed; (the same being a division of his application No 141 filed July 20. 1877); that the same has not been patented to him or to others with his knowledge or consent except in the following countries; Great Britain dated July 30. 1877. No 2909; France, deposited Dec. 19. 1877. granted Feb. 19. 1878 No 121.687; Belgium, Deposited Jan. 11. 1878. granted Jan. 31. 1878. No 43.984; Italy, deposited Jan. 19. 1878 granted Feb. 8. 1878 No 9791; Austria, deposited Jan. 15. 1878. granted Jan. 1. 1879. No ; German Empire deposited Jan. 23. 1879 granted August 18. 1881. No 14.308; Spain granted May. 6. 1878 No ; Russia, application made

Canada patented Oct. 17. 1877. No 8026; that the same has not to his knowledge been in public use or on sale in the United States for more than two years

prior to his said original application No 141. filed July 20. 1877, and that he does not know and does not believe that the same was ever known or used prior to his invention thereof.

Thos A. Colleran E.

Sworn to and subscribed before me this day of A.D. 1883.

A. B.
Notary Public

Lea

I claim as my invention:

First: The combination with a diaphragm of two contact points or electrodes at opposite sides of said diaphragm and electric circuits passing through such points substantially as set forth.

Second: The combination with a diaphragm of two points of contact at opposite sides of said diaphragm, electric circuits connected to the same and opposing batteries in such circuits substantially as set forth.

Third: The combination with a diaphragm capable of responding to sonorous vibrations of two electrodes forming variable resistances in the electric circuit passing through such electrodes so that one resistance increases as the other decreases and vice versa, an electric circuit with two branches through such resistances and two batteries of equal strength but of opposite polarity one in each of such branch circuits substantially as set forth.

Fourth: In combination with a diaphragm and an electric circuit in which the resistance is varied by the movement of the diaphragm, two opposing batteries introduced in

the electric circuit substantially as specified.

Fifth: In combination with a diaphragm and electric circuit, electrodes forming variable resistances and batteries in such circuit connected so that the currents passing to the distant instrument are of varying polarity.

Signed by me this day of
A.D. 1883.

Witnesses:
A. J.
E. B.

Thos A. Edison

1883

To the Honorable Commissioner of Patents:

Your Petitioner Thomas A. Edison,
of Menlo Park, in the County of Middlesex,
and State of New Jersey
prays that **LETTERS PATENT** may be granted to him

for the invention of an Improvement in
Speaking Telegraphs (Case 141 B/2)
set forth in the annexed specification.

And further pray that you will recognize LEMUEL W. SERRELL,
of the City of New York, N. Y., as his Attorney, with full
power of substitution and revocation, to prosecute this application, to
make alterations and amendments therein, to receive the Patent,
and to transact all business in the Patent Office connected therewith.

.....
.....1883.

T. A. E.

State of New York
County of New York } ss. Thomas A. Edison, the within named applicant a resident of Menlo Park, in the County of Middlesex, and State of New Jersey, being duly sworn deposes and says that he is a citizen of the United States, that he verily believes himself to be the original sole, and first inventor of the Improvement in Speaking Telegraphs described and claimed in the specification hereunto annexed; (the same being a division of his application No 141 filed July 20th 1877). that the same has not been patented to him or to others with his knowledge or consent except in the following countries:— Great Britain dated July 30. 1877 No 2909; France deposited Dec 19. 1877 granted Feb. 19. 1878. No 121.687; Belgium, deposited Jan. 11. 1878. granted Jan. 31. 1878 No 43984. Italy deposited Jan. 19. 1878 granted Feb. 8. 1878. No 9791; Austria, deposited Jan. 15. 1878. granted Jan. 1. 1879 No ; German Empire deposited Jan. 23. 1879 granted August 18. 1881 No 14308; Spain granted May 6. 1878 No ; Russia, application made

Canada patented Oct. 17. 1877. No 8026; that the same has not to his knowledge been in public use or on sale in the United States for more than two years prior to his said

original application No 141 filed July 20. 1877, and that he does not know and does not believe that the same was ever known or used prior to his invention thereof.

T. A. E.

Sworn to and subscribed before me this day of A.D. 1883.

A. J.
Notary Public

Seal

I claim as my invention:

First: In an electric apparatus specially sound a diaphragm in combination with one or more contact points or electrodes of plumbago or equivalent material in the electric circuit whereby the rise and fall of electric tension is proportionate to the pressure exerted upon such point or points by the diaphragm substantially as set forth.

Second: In a telephone the combination with a diaphragm of an electrode of plumbago or other suitable material and an adjusting screw to regulate the pressure upon the electrode substantially as set forth.

Third: In a telephone the combination with the electrode of a spring forming a resistance to such electrode, substantially as set forth.

Fourth: In a telephone the combination with the electrode of a spring forming a resistance to such electrode and a screw to adjust the pressure.

Fifth: In a telephone the combination with the electrode of a spring sustaining said electrode

and a dampener to prevent false vibrations substantially as set forth.

Sixth. In a telephonic instrument the combination with a diaphragm of one or more points of plumbago or similar material forming the electrode substantially as set forth.

Signed by me this day of
A.D. 1883.

Witnesses:
A B
C. D.

T. A. E.

1883

Case No. 159 D

To the Honorable Commissioner of Patents:

Your Petitioner Thomas A. Edison, of Menlo Park, in the County of Middlesex, and State of New Jersey prays that LETTERS PATENT may be granted to him

for the invention of an Improvement in Telephones set forth in the annexed specification.

And further prays that you will recognize LEMUEL W. SERRELL, of the City of New York, N. Y., as his Attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the Patent, and to transact all business in the Patent Office connected therewith.

.....

.....1883.

T. A. E.

Oath.

L. W. Serrell, N. Y.

United States of America.

Thomas A. Edison the within named applicant a resident of Menlo Park, in the County of Middlesex, and State of New Jersey being duly sworn, deposes and says that he is a citizen of the United States

that he verily believes himself to be the original, sole and first inventor of the Improvement in

Telephones

described and claimed in the specification hereunto annexed; that the same has not been patented to him or to others with his knowledge or consent in any country

that the same has not to his knowledge been in public use or on sale in the United States for more than two years prior to this application, (his original application filed Nov. 18. 1878 of which this is a division) and that that he does not know and does not believe that the same was ever known or used prior to his invention thereof.

T. A. E.

Sworn to and subscribed before me this

day of 1883.

A. B.
Notary Public

I claim as my invention

First. The combination with an electro magnet in one circuit, of an armature, and a tension regulator in another circuit, whereby the variable magnetic attractions are translated into electric waves substantially as set forth.

Second. The Combination with a telephonic transmitting instrument and its line circuit, of a distant electro magnet, a tension regulator acted upon by such magnet, a local circuit passing through the tension regulator and an inductorium with its secondary going to the second line circuit, whereby the electrical variations produced by the transmitter in the first line circuit cause corresponding electrical variations in the second line circuit substantially as set forth.

Third. In combination with an electro magnet in one circuit a piece of carbon or similar

material in another circuit, and an armature or other inductive body operated upon by the electro magnet to relay in the second circuit the electric variations in the first circuit substantially as set forth.

Fourth: The combination with the line and a transmitting telephonic instrument, of an electro magnet, an armature and a tension regulating device acted upon by such magnet and a circuit passing through such tension regulating device substantially as specified.

Fifth. The method herein specified of transmitting telephonic communications consisting in setting up electric variations in one circuit by vibrations acting on a tension regulator in such circuit, repeating such vibrations in a second circuit by means of an inductorium and receiving such repeated vibrations by means of an electro magnet substantially as specified.

Signed by me this day of
A.D. 1883.

Witnesses.

A B T. A. E.

C D.

(1883)

Dear Samuel

Ten papers are for three Indian patents — One on the compensating system, one on the high resistance brush and one on the twisted filament.

Let me know why these papers shouldn't be signed. The N.Y. patents have been issued —

Yours
Chas. Dorr.

(1883)

Mr. Brown

There is nothing particular in this.

The certificate, however, the power of attorney and the receipt of Savings-Bank patents

H. W. Lilly

(1883?)

Mr. Lowell

Have just read the enclosed. Mr. Edison in giving the name as to the importance of the different Cattle cases stated that Case 62 was of little importance and the big Cattle might be so designated. He wrote the Big Cattle Office (not know Mr. Eb's reasons for his opinion).

Yours truly,

[ENCLOSURE]

(1883?)

Memorandum

COMPAGNIE CONTINENTALE EDISON

Société Anonyme Capital 1 million de francs

PARIS, le

M. Dyer Howard & Co

My dear Edison

Why do you say we can drop CO_2? – the meter pattern – what bug did you find? there is terrible objection to our meter & Columbo told me he should never use them I have some working well & he said he could make them work but the said the people did not like it – Have counted much on CO_2 patch

[ENCLOSURE]

I have ordered one Porter Engine for the Mill Corporation from Milan & I believe now that Columbus has taken 6 of the feeder regulators as he had such a difference of candle power that he was obliged to

The Paris dynamo that I had at Eichbaum was sold to the Holland people today

Good bye

Walter

To
E. Butterfield
in the matter
Patents

1883

65 Fifth Avenue
New York U.S.A.
1883

Dear Sir,

Edisons Indian & Colonial Electric Coy

I shall be obliged in future, as soon as the final Specification of any Patent for an improvement in existing inventions or for a new invention of mine in Electric Lighting is filed, if you will produce and explain to the above Company the drawings and specifications, allowing them to take copies thereof if desired, and if you will give to them any other information in your power respecting the Patent.

Yours faithfully

T. I. Standford Esqre
42 Southampton Buildings
Chancery Lane
London W.C.

French Telephone Case

Amount Received	9509.80
Expenses incurred	2214.83
of this amount ~~gave~~ T. Puskas 1/9	7294.97
Bs Bliss 1/9	
7 Puskas share	810.55
Bliss share	810.55
Expenses	
Puskas & Bliss	1621.10
Expenses	2214.97
Total Expenses	3836.07

9509.80
3836.07
5673.73

Mr Ea × 1702.11
of this amount
Baleh has 2/10 $ 3971.62
Jim 1/10 — 1134.74
567.37
× 1702.11

92
5
460
10,000 92) 50,000 (5
460

5) 92
18 2/5

18 1/4
50000

50000
18 2/5
20000
60000

50000
18 1/4
12500
100000
9125

1883. Phonograph (D-83-071)

This folder contains correspondence relating to the promotion and marketing of the phonograph.

All the documents have been filmed.

44.

Mr Insull

Dom 12/83
1883-06-12

The order for this photograph has been already placed and we will ship it this week

R. A. C.

R. M. PULSIFER & CO.
Proprietors.

1883-08-12

R. M. Pulsifer,
E. B. Haskell,
C. H. Andrews.

RECEIVED
AUG 14 1883
ANSWERED
Aug. 14-1883
FILE NO.

The Herald,

Boston, Aug 12 1883

Dear Sow:

Where, oh where is the phonographic and tin foil? Fearing that you may suspect that I want it for an improper purpose I will explain: My idea is to set it up in the Herald office, and when a man is to be "interviewed" make him talk into it and then clear out. After he has gone I can grind off his harangue and write it out at my leisure. You see he can't go back on himself then, and sue the paper for libel.

R. M. PULSIFER & CO.
Proprietors.

1883-08-12

R. M. Pulsifer,
E. B. Haskell,
C. H. Andrews.

2

The Herald,

Boston, 188

Great scheme, Eh? It is only for this and other sentimental uses that I want it, and you don't know how much fun I can have if you will help me. I propose also to get up a humorous article on the thing - Tumble? Will take good care of it & return it safe & sound.

Ever yours,

Lord Magine.

1883-12-05

Send proof if undeputable you can use it

Gorham me

Dec 5-/1883

To Prof Edison

I wish to know if I ~~[illegible]~~ be allowed to print a small sketch of your early life as that I have seen through the papers to give to the people as they come to see the Phonograph I have been showing it ever since it came out with no intermission.

Please let me know if I would be allowed to print it & oblige

Edmund Davis

86 washington st

Providence

R.I.

1883-12-05

THOMAS A. EDISON,
Central Station, Construction Dep't.,
No. 65 FIFTH AVENUE,

1883-12-12

Form H.

New York, 12/12/83 188

Dear Sir:

A Meeting of the E.E.L.Co will be held at the office of B & Co 17 & 19 X ave at 4 30 PM on Friday next by order of the Pres't. Please Attend

Resp'y Yours
T A Edison

65 5th ave

Be where I can get you if I want you & be your Guest if Convenient to be at the Meeting

E

1883. Railroad - Electric (D-83-072)

This folder contains correspondence and other documents relating to Edison's development of electric traction for railroads. Some documents deal with the Railway Exhibition in Chicago, Illinois. Other documents concern foreign electric railway patents. Related material can be found in Scrapbook, Cat. 2174 (Miscellaneous Scrapbook Series).

All the documents have been filmed.

41

Jan. 29.83

Porsch

Jersey City Heights Jan 29th 1883.

Never said anything of the kind or contrary
~~Your work was always fine~~
~~I also feel and know~~ But damn your manner

T. A. Edison. Esq.

City

Dear Sir;

I am very sorry to hear, that you pronounced my design of the Electric Locomotive for England a "muddled up job". As far as I can remember the design was fully in accord with your ideas and if you changed your ideas since then, that is not my fault

1883-01-29

The only thing, that you could say would be, that the drawings I left behind me, were incomplete, but I am not to be blamed for that, as the data as to the Electrical part necessary to their completion, were not forthcoming - although I asked Mr. Clarke several times for them. As far as mechanical construction is concerned I can defend every point in the project.

As I rather pride myself of having completed every job, left to me, satisfactory you would confer a favor by giving me a chance to defend my reputation. I am ready to explain any evening, you may mention to the man, who has the job in hand such points as may seem incomplete gratuitously.

Yours respectfully.

L. Porch

59 Broom Str
Jersey City Heights
N.J.

1883-04-09

Subject: RAILWAY EXHIBITION.

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, April 9th, 188

Mr Thos A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

I called last week upon Mr Talbott, Secretary and Manager of the Railway Exhibition to be held here in May and June of this year.

My call was with the view of ascertaining whether it would be profitable for this company to go into the exhibition with the Edison Light.

I find that nearly all the prominent electric light companies in the country intend doing so, including the Swan and Maxim.

This exhibition is to be of national importance and exhibits from all over this and foreign countries will be represented in it.

In my conversation with Mr Talbott, he made some inquiries pertaining to your electrical railway.

He said Mr Adams, connected with the exhibition, was now in New York and would call on Maj Eaton and you relative to your exhibiting the railway.

There have been several applications to put in electric railways, but the management prefers to give you the most prominent position if you are disposed to avail yourself of it.

In the main building there is a gallery extending around the structure which can be seen in the diagram sent herewith.

They are disposed to place at your disposal this gallery for the purpose of exhibiting the railway.

The distance around the gallery is such that he thinks a charge could be made to parties who wish to enjoy the privilege of a first ride on an electric railway train, and the receipts would be sufficient to defray the expenses.

Personally, I am inclined to the same opinion provided the matter was managed with sufficient enterprise.

I could not give any positive assurance that you would care to go into the exhibition, but promised to state the case to you fully.

1883-04-09

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, ... 188

Every inch of space in the main building is occupied and an annex fully as large as the main building is being erected.

Unless you do something of this kind or there is some co-operation by the New York Company with us, we probably shall not exhibit the light.

Our territory is so limited and the benefits to be derived from the exhibit so wide spread that we do not feel like incurring the expense without some co-operation from New York.

Sincerely yours,

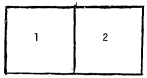
Geo. H. Bliss

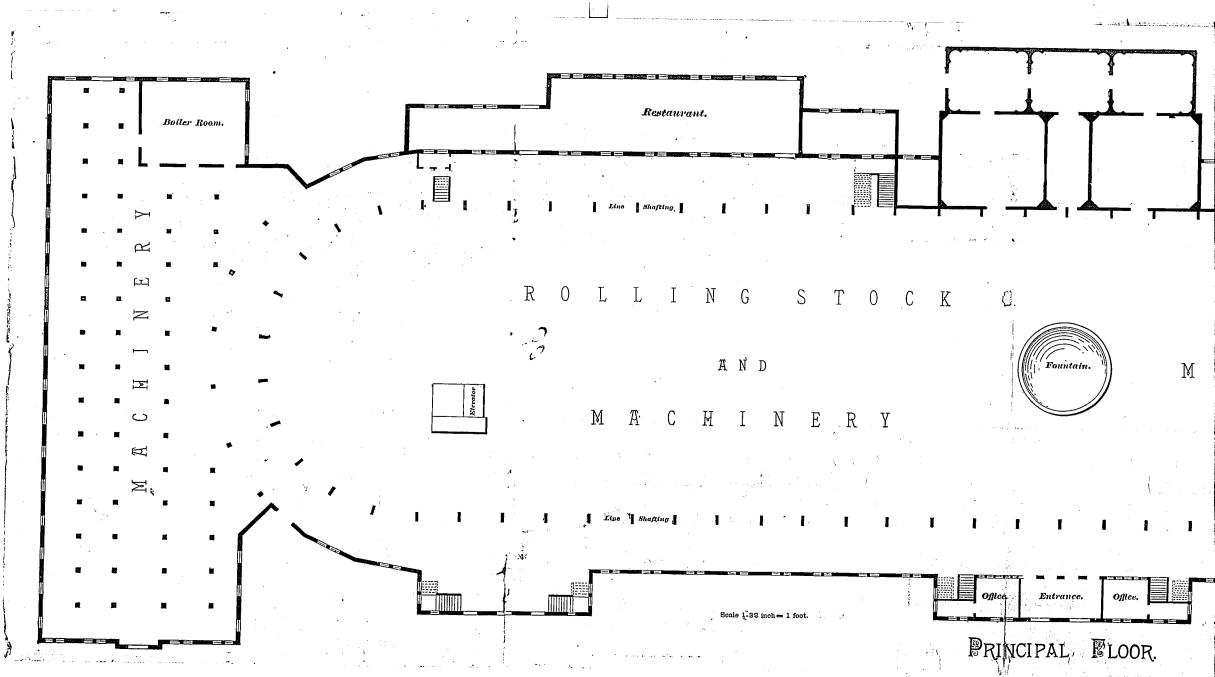
Gen. Supt.

They ought to put in a new K
but havent time to do anything
on RR now. —

[ENCLOSURE]

FILMED IN SECTIONS





[ENCLOSURE]

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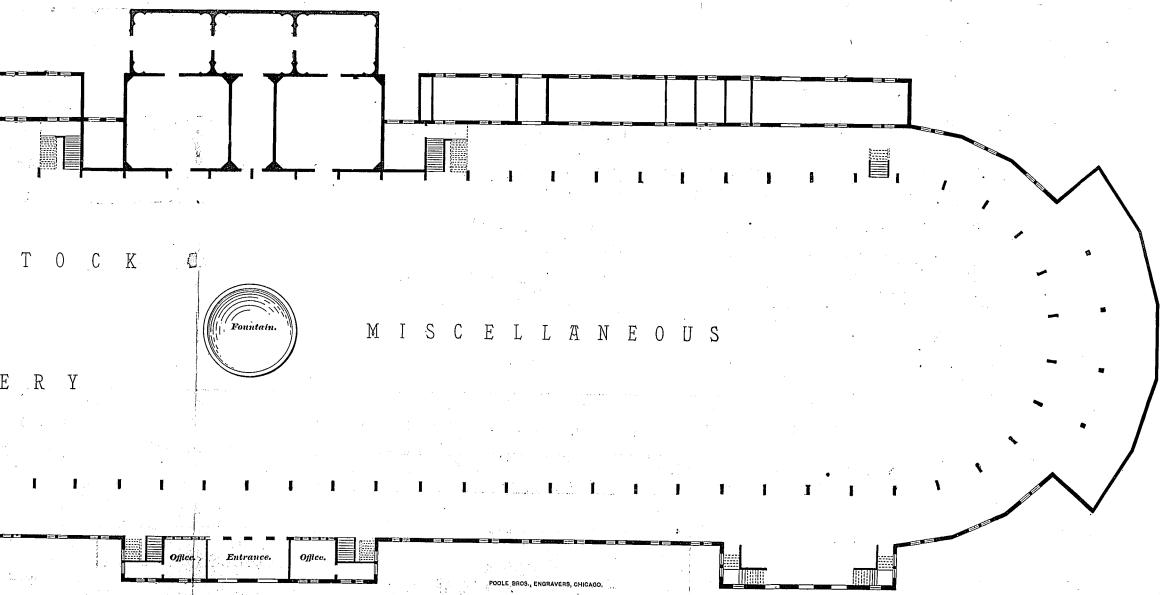

PRINCIPAL FLOOR.

[ENCLOSURE]

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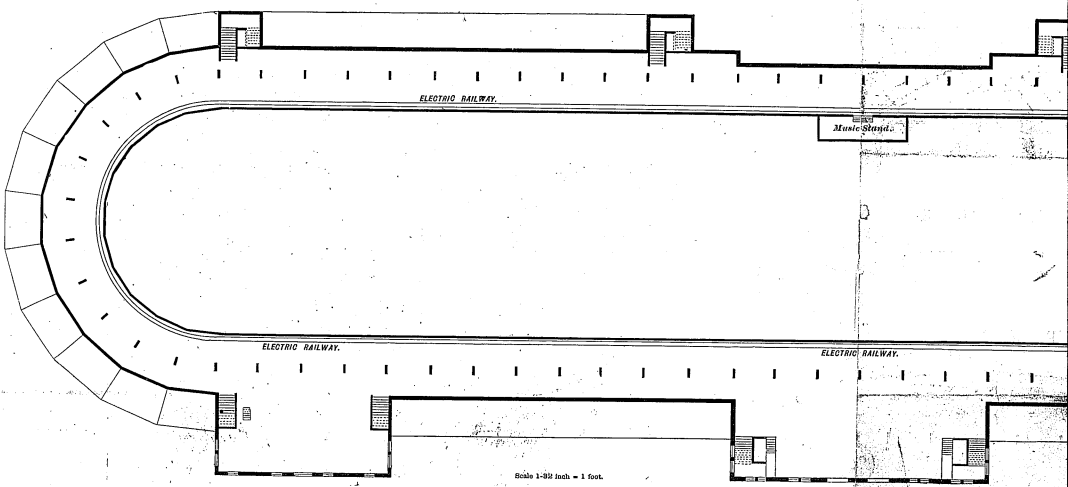

GALLERY FLOOR.

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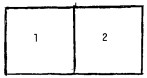
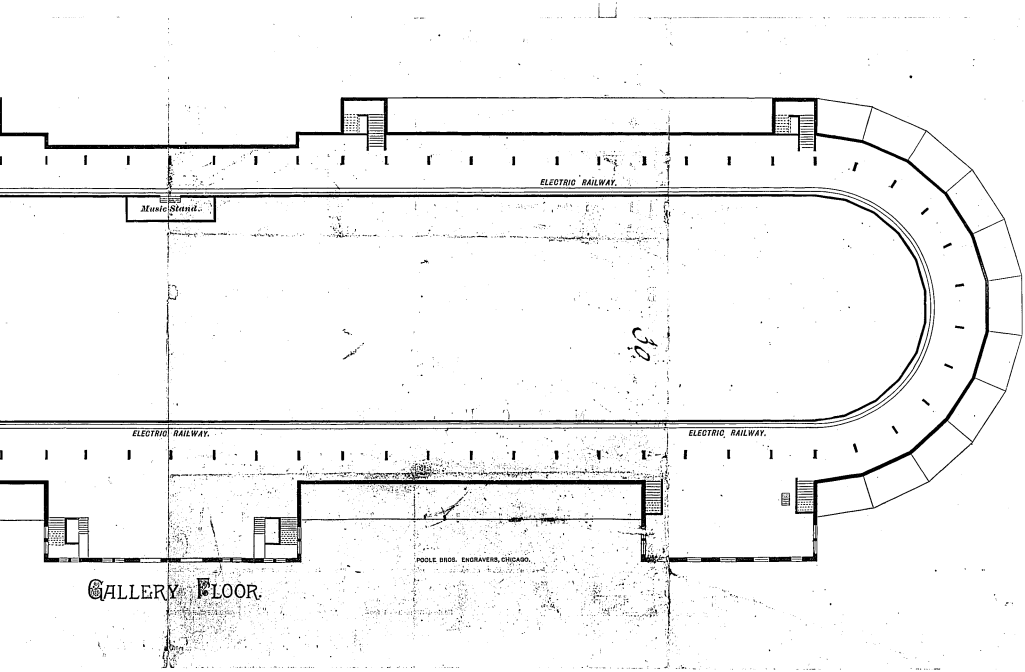
[ENCLOSURE]





1883-04-24

Subject: RAILWAY EXHIBITION.

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres't and Treas.
D. H. LOUDERBACK, Secretary.
GEO. H. BUSS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

CHICAGO, April 24th, 188 .

Mr. Thomas A Edison,

65 5th Avenue, N. Y.

Dear Sir:

Replying to your favor of the 12th will say, our officers are favorably inclined toward making an exhibit of the Edison Light at the Railway Exhibition here providing one of the new H dynamos can be had in time for the purpose.

If you determine to exhibit the electric railway there would be no question about our company putting in the light.

If there is room on the balcony for your track and you can send the Menlo Park outfit here with competent men to put it up I could manage the business part of the enterprise.

I think we could also satisfactorily explain the principles upon which the railway is operated and its economy.

I believe the receipts from an electric railway located in the balcony referred to would more than pay the expenses incurred.

I made the Phonograph exhibit in this city pay for over six months and an electric railway is necessarily a much more taking thing.

The main object of the exhibition would be to make the people familiar with what you are doing, but if it could at the same time be made self sustaining that I think would be much better.

This railway exposition is going to be an enormous affair and it will be a long time before you will have an opportunity to attract such universal attention to your electric railway.

Sincerely yours,

Geo. H. Buss

Gen Supt.

1883-05-26

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK, 26 May 1883

Memo about

King's Anti Friction Bearings

About Two Years ago Since I furnished and delivered at Menlo Park upon Mr Edison's request. A Set of Patterns finished in Brass to fit up the Car Axle Boxes of Edison's Electric Rail Road Cars.

Please let me know about what has been done with or about them addressing me care of Sinclair House N.Y.

Respy

M H King —

Sinclair House 9 & B'way

1883-06-08

3 Great Stuart Street
Edinburgh

June 8. 1883

My dear Mr Johnson

Here is what I have told the Telephone Board of our interview -

I explained to you; that the Company had two objects. 1st to secure a monopoly for a one rod rope or rail system of electric transport - preferably suspended 2d to secure a monopoly of automatic electric transport in which trains should be managed wholly by the mechanism on the line =

that under those objects we had patented a great variety of contrivances - a as to means of propulsion - b as to construction of road - c as to blocking - d as to locomotive and gearing - e as to speed governing -

that the Company was busily engaged in putting up experimental lines & building experimental locos & trains to test the designs practically - all this being done very quietly but we might get the advantage of a first start & come before the public with tested machinery -

that many of our inventions, notably A. & P.s conductor

insulated in sections; their motors; their governed dynamos and motors - their system of blocking and my system of blocking were all likely to be highly useful on ordinary railways as well as in Delphenge - (ie the automatic system) -

Not in America We should be glad to work in unison with Mess Edison & Field - believing that the systems we were chiefly engaged in introducing would act as feeders to great trunk lines & that other parts of our inventions would be useful on those lines.

You said; that you thought a combination might be effected since in what we were doing there was nothing antagonistic to what had been done by Edison.

that so far as you could judge from the short sketch I gave you saw considerable merit in the schemes of the Delphenge Co

that if the details of that scheme were worked out according to our expectations the Delphenge Co would have shown that it was entitled to a considerable slice of the profits from Electric transport.

1883-06-08

3 Great Stuart Street
Edinburgh

that you would be glad to be kept informed of the progress being made & would consider all the information given as confidential —

~~We arranged~~ that money payments for patent rights were not to be expected from the United States but that subject of course to the approval of our schemes on closer examination you thought a combination might be effected on the basis of a share in future profits —

We arranged that no detailed account should as yet be sent to Mr Edison — but that you would write a letter stating in merely general terms that I and my friends had designs for Electric Lamp-holders which appeared to possess so much merit that in any combination now being effected it would be desirable to leave an opening for us in the ring — that you would satisfy yourself as to the details of the schemes before leaving

this country so as to be able to explain them personally to Mr Edison –

I need hardly state that the whole interview was one of a purely friendly and preliminary character suggesting the possibility of an agreement but in no way constituting an agreement

Yours very sincerely

Fleeming Jenkin

E. H. Johnson Esq

June 8th 1883

Fleeming Jenkin

Mr Tait Johnson

12

1883-06-12

ELECTRIC RAILWAY CO OF THE UNITED STATES,

Mills Building,
New York City, June 12. 1883.

S.G. REED, PRESIDENT.
G.W. ROGERS, VICE PRESIDENT.
CHAS. DIMON, SEC'Y & TREAS'R.

Mr. Thomas A. Edison,
65 Fifth Ave.,
City.

Dear Sir;

Enclosed I beg to hand you letter from Mr. Thomas H. King.

Referring to the endorsement thereon may I trouble you to add thereto ~~together with~~ such comment as you may wish to make and provide me with the necessary authority to deliver the patterns to Mr. King.

Very respectfully yours,

G. W. Rogers V.P.

1883-06-13

June 13th.

C. W. Rogers, Esq.

Electric Railway Co. of the U. S.

Mills Building, City.

Dear Sir:-

Referring to your letter of yesterday's date, enclosing letter from Mr W. M. King, which I return you herewith, I beg to state that I have given instructions for the patents to be looked for, and will send them to Mr King as soon as they can be found.

Very truly yours,

43 1883-06-13

Subject: .....

ANSON STAGER, *President.*
JOHN M. CLARK, *Vice Pres't and Treas.*
D. H. LOUDERBACK, *Secretary.*
GEO. H. BLISS, *Gen'l Sup't.*
P. D. JOHNSTON, *Engineer.*

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
THOMAS A. EDISON.
ANSON STAGER.
JNO. B. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

IN REPLY TO YOURS OF .....

Chicago, June 13 1883

T. A. Edison Esq.

Dear Sir:

The Electric Railway has been in operation for several days.

On Saturday it carried fifteen hundred people at 10¢ each.

The daily average will probably exceed 5.000.

The mechanical defects having been removed the Electrical Road has a fair chance.

I like your arrangements better but they gratified public curiosity. Sin Yours

Geo. H. Bliss

1883-07-21

Memorandum.

To Mr. Thomas A. Edison.
65 Fifth Ave.

From
ELECTRIC RAILWAY CO OF THE UNITED STATES
Mills Building.
New York City, July 21 1883

Dear Sir;

I beg to acknowledge receipt of your favor of 16th inst. covering profile of Road at Menlo, for which please accept thanks.

Very truly Yours,
H. Rogers
V.P.

P.S. I also have your's of 19th inst. inclosing letters from Dr Dehuler and Ex Gov. Hartranft, which shall have attention.

1883.07.21

TELEPHONE No 2550.

WATERHOUSE, WINTERBOTHAM & HARRISON,
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

21st July 1883.

Dear Sir

Edison Electric Light Co

We enclose herewith engrossement of the licence for use of patents for locomotion which has been approved by you. Will you kindly execute it in the presence of one witness and obtain the execution of Mr Fabbri & Mr Rowley and return it to us. A part of the Agreement will be sealed by the Company and shall be sent to you in due course.

The 3rd years duty on the English Patent No 3894 dated Sept 30th 1880 falls due on 30th Sept next. This Patent refers exclusively to locomotion and we write to inform you that the English Coy do not propose to keep it in force. If you wish it kept in force perhaps you will kindly communicate either with us or with Mr Handford?

We are, Dear Sir,
Yours faithfully
Waterhouse Winterbotham & Harrison

T. A. Edison Esq:
65 Fifth Avenue
New York.

1883-08-03

NATIONAL Electric Railway Signal Co.

CAPITAL $1,000,000.

EDWARD FOSTER, PRESIDENT. GEO. H. MOORE, VICE-PRES. J. G. BARRETT, TREASURER. W. J. ESKOBS, SECRETARY. ROB'T MOORE, GEN'L MANAGER. W. W. LE GRAND, Chief ELECTRICIAN.

Office, Chief Electrician,

Louisville, Ky. Aug 3d 1883

My dear Sir
Will you be kind enough to inform me where I can get suitable material for inserting between the ends of railway rail for the purpose of insulating one rail from the other. Respectfully
W. W. Le Grand

Prof. T. A. Edison
Menlo Park

RECEIVED
AUG 7 1883
ANSWERED
.....188...
FILE No.....

P.S. Your System of lights at our exposition is its chief feature
WWLG

I donot know exactly how you
divide to use the mouldalum,
Insulating Cloth might be used
to paraffined wood
Hard Rubber.
Japanned Cloth.
Mica refuse -

Chemical Prod/13
N. Y. & L. Grande
Re- Material
for Insulating
Railway Coils

1883-09-18

SOCIÉTÉ ÉLECTRIQUE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE
EDISON, PARIS

Paris, les 31 August 1883

33, Avenue de l'Opéra

OVER

RECEI

4/2/87

FILE

Thomas A. Edison Esq.
President.

Dear Sir;

We have an enquiry this morning from a very large manufacturer who has factories covering about fifty acres of ground connected by railway tracks on which machines are pushed by hand. He desires to make an installation of Electric Railway, provided it can be done in reasonable conditions. Will you please advise us, whether you are prepared to furnish the drawings for such work with details as to prices &c in the States.

We confirm our cable of yesterday:—
"Ship quickest models twenty-five, fifty, tworhundred "machines Germans, also one four hundred ampere "Genoa seventh".

We are
Very truly Yours,
SOCIÉTÉ ÉLECTRIQUE EDISON

J. B. Bail
ADMINISTRATEUR DÉLÉGUÉ

Mr Batchelor can easily ~~making~~ drawings
all that is required is to put a gear Bevel
gear on axle & the other on armature shaft of
new Eagle 100 Light Dynamo
~~single pair~~ Cores but double mass
~~that would be ok~~ & put

Not yet too much overworked
on Light biz. Things are
Booming here in Village & City
plants

Aug 30 31
J. H. Bailey
Re
Installation of
Electric Railway
in a large
manufacturing
Factory in Paris
France

1883-09-22

Blank No. 3.

No. 71

CABLE MESSAGE.

933

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks furnished by this Company for that purpose, under and subject to the conditions printed thereon and on the back hereof, which conditions have been agreed to by the sender of the following message.

J. A. GREWER, Secretary. NORVIN GREEN, President.

Check. London 15

Received at 852 BROADWAY

Edison NY 65=5 ar

Sept 22 188

Duty railway patent 3894
due morning twentyfifth telegraph
instructions

Waterhouse

The tax due 25th inst. is fifty pounds.
Have you the patent or is it in London?

To guard against mistakes on the lines of this Company, the sender of every message should order it repeated; that is, telegraphed back from the terminus of said lines to the Originating Office. For such repeating, the sender will be charged in addition, one half the usual tolls of this Company, on that portion of its lines over which such message passes.

This Company will not assume any responsibility in respect to any Message beyond the terminus of its own lines; and it is agreed between the sender of the following Message and this Company, that said Company shall not be liable for mistakes or delays in transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any unrepeated message, beyond the amount of that portion of the charge which may or shall accrue to this Company out of the amount received from the sender for this, and the other companies, by whose lines such message may pass to reach its destination; and that this Company shall not be liable for mistakes in the transmission or delivery, or for non-delivery to the next connecting Telegraph Company, of any repeated message, beyond fifty times the extra sum received by this Company from the sender for repeating such message over its own lines; and that this Company shall not be liable in any case for delays arising from interruptions in the workings of its lines, nor for errors in cipher or obscure messages. And this Company is hereby made the agent of the sender, without liability, to forward any message over the lines of any other company to reach its destination.

This Company is not to be liable for damages in any case, where the claim is not presented in writing, within thirty days after the sending of the message.

26

April 22 "83

All right since Friday

Gotham & Kansas R.R.

re the duty on

R. R. Portland Freig

Mar. 1.38 74.

Elec. Ruwy.

1883-12-14

file

New York,
Dec. 14, 1883.

Mr. Thomas A. Edison:

Sir:- In regard to securing the Patents for the Electric Railroad in Chile, it will be understood by this letter that I personally - and also as representing Mr. Enrique Lanz - guarantee to assume and pay all charges for procuring said patents and all expenses connected therewith; and that there shall be no charge against you in the matter.

Yours Truly,
W. N. Stewart.

(1883)
Railroad, Electric

Specification

for Running Gear for Edison's Electric Car
to consist of

1 Pair of Frames 26'-6" long and 4" wide. Frames to be 43" apart inside and 51" outside, to be provided at each end with a Channel Iron 9 feet long, joined to Frame as shown in drawing

2 Pair of Driving Wheels 57 3/8" Cast Iron Center with a 2 1/2 x 5 3/4" Steel Tire making Dia of Whel 60 3/8" The Wheel to be of the regular Cook Locomotive pattern but without crankpin and counterbalance

3. Axles 7" dia, the axles to be provided at one end with an extension 7"-10 1/2" long and 5" dia to receive pulley.

4. Driving Boxes with bearings, oil collars, wedges etc complete as per drawing 2 C 13

5. Sets of Springs, Springhangers, Saddles Equalizers as per drawing. The springs to consist of 15 leaves 3 1/2 x 3/8.

6. Truck of the regular Cook Locomotive style as per drawing A 15 to be braced to frame in the usual manner Truck Wheels to be 30" dia

All these parts to be finished and put together as per drawing

Specifications
Cash

1883. Telegraph (D-83-073)

This folder contains correspondence and other documents relating to quadruplex telegraphy and to the use of chemical printers as stock quotation instruments. Some documents deal with royalty payments.

Approximately 80 percent of the documents have been filmed. Printed circulars, pamphlets, and other printed material issued by telegraph companies have not been filmed.

[1883]

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
194	NY	DY	33 DB 210

Received at **791 BROADWAY.** Jan 2 1882.

Dated

To George B Prescott my G B Prescott
The Berkley 20 fifth ave
I have Requested Drexell morgan
to Pay you the Equivalent
of two hundred & seventy
seven Pound five shillings

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
			2 of 194

Received at **791 BROADWAY.** Jan 2 1882.

Dated

To

& Six Pence Being Royalty
Quadruplex Less income tax &
Commission to 31 December 1883
Weaver

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

1883-05-04

Ans
5th Jan

New York January 4. 1883

Thomas A. Edison Esq.

Dear Sir,

I send you enclosed Quadruplex account for 1882, with check on Vernilye & Co. for $432.38 to balance

Yours truly

Geo B Prescott

18

Jan. 4, 83

Prescott

[ENCLOSURE]

George B. Prescott

To Thomas A. Edison Dr.

To Amount received from British Post Office for use of Quadruplex for 1882, less Commission paid to Mr. Weaver and for Income tax for 1882	1.339	24
Cr.		
March 17. 1882 By Amount paid British Government for Income tax for 1880 and 1881	103	87
	1.235	37
Less 65%.	802	99
Balance due Thomas A. Edison	$432	38

1883-01-17

Rec'd Jan 18th

Executive Office

Western Union Telegraph Company

New York January 17 1883

Thos. A. Edison Esq.
No 65 Fifth Avenue.
New York City.

Dear Sir:

You will remember that, in October 1881, we furnished you with two sets of quadruplex instruments, for exhibition at the Paris Exposition, with the understanding that they were either to be returned to us, or paid for by you.

They are charged to you on our books, and I enclose herewith a bill for them, amounting to $412.50, which may be remitted by check,

[ENCLOSURE]

1883-01-16.

Western Union Telegraph Company.

Auditor's Office,

New York _____ 188_

Thomas A. Edison Esq

To The Western Union Teleg^h Co. Dr.

For 2 Sets Quadruplex Instruments furnished in October 1881, for use in Paris Exposition.	£412 50/-

1883-02-17

54 Exchange Place
New York Feby 17/83

Dear Edison

You see I have gone for W U & Tels got an injunction. This time I struck them, but it was close running —
The Mutual Union Co agreed to withdraw their litigation against W U Tel, now pending before the Atty Genl at Albany

1883-02-17

I am party to it, but have declined to withdraw or propose to continue it myself —
Of course both of these things put me to extraordinary expenses — It is for the general good though.
I have already been compelled to pay 3 relatives

1883-02-17

I need a little cash for some further legal expenses today. Please let me have $500 without fail or your choice charged against me for future settlement. Don't make good use of it.

Hastily

J. C. Reiff

P.S. Don't fret me as I have promised the money today to the lawyers

26 1883-04-13

No 4 East 86th Street

April 13, 1883

Conway

Dear Mr Edison

Will you let me know what time I can see you on Saturday or Monday next? I want to ask your advice about an alleged important telegraph improvement, which if half so good as represented is a very great thing.

Yours very truly

Thomas Conway

1883-04-16

Executive Office

Western Union Telegraph Company

New York April 16 1883

Thos. A. Edison Esq.

No. 65 - 5th. Avenue -

Dear Sir:

Referring to yours of Jany. 18th., I beg to remind you that we have not yet received the quadruplex instruments in question. I would suggest that you remit to us, the amount of our bill rendered, which amount we will refund upon return of the instruments to us, in good order.

Truly yours

Jno. Van Horne

Vice Prest.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Telephone
W. N. Shaw Light
Day Street gas

18 1883-05-02
Force

NEW YORK ~~April~~ 2 1883
May 2 - 83

Samuel Insull Esq
65 Fifth Ave.
N. Y. City

Dear Sir

The quadruplex instruments are now finished
Am awaiting further orders, please let me know what I shall do with them either by telephone or letter giving address and I will see that they are shipped as soon as possible

Yours Respt
Martin N. Force

1883-05-07

New York May 7th 1883

Western Union Telegraph Co.
Broadway
New York
City

Dear Sirs

I send herewith the Quadruplex instruments which were borrowed from you in 1881 for the Paris Exhibition in good condition

Examine them and if found satisfactory please receipt for the same by bearer — following is a list of the instruments

✓ 2 Double current transmitters (Pole changers)
✓ 2 Single " "
✓ 2 Compound polarized relays
✓ 2 Single " " Polar Relays
✓ 6 Receiving sounders
✓ 2 Large rheostats for balancing res. of line
✓ 2 Small " " " " " battery
✓ 2 Small switches for cutting out main "

A 724

Yours Respt
T. A. Edison
T.

RECEIVED MAY 7 1883 EDWARD C. COCKER STORE KEEPER

1883-05-14

RECEIVED
MAY 15 1883
ANSWERED

.....188.....

FILE No.....

May 14th 83

T A Edison Esqr

Sir

Mr Hughes called here to day at your request for Estimates on Printers &c — My desire is to serve you if I can, I am very busy but from old associations I will be too glad to crowd matters, if by doing so I can aid you.

Yours Truly
J. J Murray

40 Cortland st City

1883-05-14

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK May 14 1883

Western Union Prices for Stock Printers.

Transmitter between $400 and $500
Three new Printer do 45 and 50
Universal do $49
Paper for Printer 14 cent and 15 c per lb.

Could not get any price on Manhattan Printer. The price of switch board, brackets and shelves can only be obtained of Mr G. B. Scott Room 47 N.U. Building who is at present at home sick.

The price of Printers in lots of 100 or more would be considerable less but cant say just how much until they get the order.

1883-5-14

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK May 14 1883.

Western Electric Price for Quadruplex

Pole changer	$18.00
Transmitter	11.00
Polar Relay	22.50
Neutral do	12.00
Equating Rheostat	35.00
Adjustable Coil	20.00
Spark Coil	6.50
Three point switch	.75
Total.	125.75

Western Union Price for Quadruplex between $140 and $150.

26

July 23rd/83

F. O. Reiff

to

T. A. Edison

1883-07-23

Office of Moerishofer & Co.,

54 Exchange Place,

New York, July 23rd 1883

My dear Edison —

The Telegraph strike opens up a practical way for settling authorship.

If you will now perfect the Roman letter machine we need without delay get a large sum to divide between us & settle all old scores with Western Union, or join Garrett. For Know I have not the means — You have & I think you will on consideration find it to be your interest to do it. Edy is now here

the thing is simple for you — I cannot refer you to any business man at money

1883-08-01

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK, Aug 1 1883

T A Edison Esq
Sir

I have called several times to see you regarding that Jersey business but failed to connect. I have almost completed my Burglar Alarm Co & am ready to take hold of the Eastern part of New Jersey for you, I do not know yet whether to run it with my Associates Henry W Pope & C H. Stewart for the percentage only or whether I had better take the Territory.

I have no doubt either way that I can make a success.

Please hold the territory until I see you which will be tomorrow if you can be seen.

Yours Respy
James C Brown

all autoplegraph biz -

New York Aug 4.
1883.

Thos A. Edison Esq.

Dear Sir.

Enclosed find telegraph instrument schemes, on which your opinion is requested; as to chances and usefulness if perfected. I have worked them out to a point, theoretically, of rough description; no drawings & no patent, as yet; I wish to see if they are important enough to warrant any one in backing them.

Two officials of two Cos, have been asked. One says, nothing in them. The other, says that if used as terminal sending & translating apparatus, not in line, & not changing Morse system, they may be valuable, but not if attempting to substitute automatic line printing apparatus.

The proposed alteration of Atlantic cable transmission, submitted to no one.

Respectfully.
Wm. Wales Jr.

7. Lafayette Place, City.

[ENCLOSURE]

Telegraph Propositions.

To make Atlantic Cable use direct Morse instruments, or type or quadruplex instruments; by a method concerning the electric capacity of cable; not concerning alteration of terminal instruments. Sure to cost, both for experiment & construction; more than present cable.

Cipher & Cable Code.

When the proposed apparatus is used as an automatic printing telegraph, in line, the objection arises, of causing an expensive change of telegraph outfit; therefore, I propose mine as an intermediate between a merchant-sender, and the sending Morse operator; and the receiving Morse operator and the receiving merchant.

But the punched strip spoken of at receiving end, may be applied to sending end, a telegraph line automatic print.

With this explanation of conditions of use, the main proposition appears.

A merchant in London, composes on a type printer keyboard, a message in cable code (wherein a word means a sentence). He sets stops in the machine; to a key no. Then, if word be "pork" a key no, 186, the letters inferior to pork, by value of units of key no, written

[ENCLOSURE]

36 Aug. 4 '03
Mr. Wales of
re Telegraph
Instrument
Scheme

under fork, are "guzzl". The strip produced, bearing "guzzl" is sent to Morse operator, who sends contents to New York. New York operator turns to keyboard of a printer, & repeats on it, the letters in cipher order, as received.

This printer punches a strip equivalent to message. The strip, sent by messenger, to merchant addressed, is by him put into a machine, whose stops are set to original key no. Machine then translates from cipher into code, & from code into full equivalent print; sentence of the word in code; without any other punch holes in strip, save those answering to alphabetic letter holes.

This occurs with a code, no word in which includes any other.

If the above costly, complex, and power run machine, be kept, not in the merchants office, but in a "District" office, the merchant may go there, receive his strip, set stops, translate, & go back, after unsetting stops.

The original compose printer, is an office machine.

Autog

1883-08-15

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital : 1.500.000 Francs

EXPOSITION INTERNATIONALE D'ELECTRICITÉ

Grand Diplôme d'honneur 516

PARIS 1881

Ivry sur Seine, le 5 RUE DU PARC

Aug 15 1883

Cable incorrect

Reply

Thos. A. Edison Esq
New York

Edison Kinney Autographic.

I have spoken with a number of people on this and it seems to be generally thought that it would be difficult to get the Government to adopt it. The use of the Printing telegraph here is very general and perfectly satisfactory — If I could point to its being in use in America and also show its advantages over other systems thereby some one might take it up — The people here dont seem to hanker after a thing at all when the Government is the only buyer. Has Kinney got it so that he is not afraid to put it on the line? as at the Exposition I could have had a permit to put it on between Paris and Brussels but Kinney was afraid to try it — I have talked to Colombo about its use in Italy but he thinks that it would be difficult to introduce there — The price $25 is certainly small and if you think that it has advantages over the printer telegraph use the word 'constant' and I will pay it, if you do not want me to pay it telegraph me the word 'inconstant' so that I shall know that you have received my letter — People here seem to attach no importance to the fact that it is "Autographic" but think that only reliability and speed are the valuables.

Yours Chas Batchelor

1883-08-18

The Cincinnati, Van Wert and Michigan Rail Road Co.

OFFICE OF THE SUPERINTENDENT.

am

Van Wert, Ohio, August 18th, 1883

Thomas A. Edison Esqr
Electrician &c
Menlo Park N. J.

Dear Sir:

Enclosed you will find annual pass over the lines of the "Edison Mutual Telegraph Co. of Ohio." You will notice that the Company bears your illustrious name.

The Capital Stock consists of $10.000.00 divided into shares of $100.00 each. We should be pleased to have you on the list of subscribers.

The line is in successful operation through Paulding, Van Wert and Mercer Counties O. a distance of 45 miles and will soon be extended to Cincinnati.

Very Respectfully
P. C. Dawes, President

1883-08-21

Philadelphia 21st Aug 83

The tremendous static charge of a long cable prevents Th. A. Edison Esq. and Electrical transmission of New York City waves =

Dear Sir!

Why is your microphone not employed to operate the sub. marine cable? The imperceptible touches of a magnetic needle could be heard distinctly by an experienced operator and would be better than the present method. Could not the microphone be used to operate the ordinary telegraph with a less intensity of electric current?

Yours respectfully

E. Thiange C.E.

604 Spruce St. Phil.

1883-09-10

T. A. EDISON,
65 Fifth Avenue.

New York, Sept. 10th. 1883

Mr. Page, Manager,

Western Union Telegraph Co.

852 Broadway, City.

Dear Sir:-

Our call here, put in by the American District Telegraph Co., is frequently getting out of order. We have been calling this afternoon about half an hour for a boy, and have at last had to send down by one of our clerks to deliver what we desired the boy to take.

Can you have it fixed so that we will not have an instrument that gets out of order so frequently?

Yours truly,

Samuel Insull

Private Secretary

Respy returned to
Saml Snell Esq
with Explanation from
A D Wing. I am
quite confident they
do their best to please
you.
Sept 12/83 D B Bagg

29
Sept 12/83

J. A. Earle
re Broken telegraph
Wire off hook call

1883-09-11

Mr Page

Mags N.W.

RECEIVED
SEP 12 1883
ANSWERED
188
FILE No.

Dear Sir

There is nothing the matter with Lines of Edison. The trouble was outside. Wire was down cut in two places. This is a difficulty we cannot avoid. We repair such damage as soon as possible.

Yours Truly
J. H. Earle
Mags ad V
28 Dec

Stock Printer

1883-12-01

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

P. O. Box 3105.

New York, Decr 1st 188 3

My dear Edison For a long time you have promised to complete your stock Printer & give me control of it for purpose of forming a Co introducing it at Stock Exchange etc.

I have waited patiently to hear from you.

A few days since I was pratly surprized to hear some one else had intimated he was authorized to represent you in its negotiation. In view of our past relations for sake of fair deal & not to say gratitude, I will not believe you propose to break your promise to me.

Yours truly

David H. Cliff

P.S. I think a fair arrangement could now be made for some ready money

1883-12-07

My Dear Edison

[illegible]

Most Cordially

1883-12-07

[illegible]

[illegible]

F. J. O'Reiff

12/7/83

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, Dec 8th 1883
8 30 pm

Dear Edison I telephoned you this pm from Jersey trying to make an appointment for this evening but could not hear from you — I expected to hear from you in answer to my card of last evening —

Please make a positive appointment for Monday evening so we can consider the situation —

There may be a chance to realize a quick cash if you have anything absolutely ready for work.

Yours
J. O. Reff

Will be at Delmonico's tomorrow before he sails, to say good bye

T. A. Edison Esq
Present

My perm. Home address
Hotel Arno
27 Broadway

1883-12-10

My Dear Cathie =

You need Johnson to bring up hose and a Dynamo giving 2000 Volts. to give an Exhibition he has measured the water stream & finds it about 850 ohms 2½ inch section per foot, New York December 10th P.S.

~~[illegible]~~ E

Mr Thos A Edison

Dear Sir

I read with much interest Johnson's letter to The Times published today. He covers the subject completely and floors Prof Morton at every step, and the beauty of it is he confines himself to facts. Professor Mortons opinions will, hereafter, in matters pertaining to electrical science be received very cautiously by telegraph people, and in fact by all persons dealing in artificial lightning, for, to the person of very limited electrical knowledge it cannot but be apparent that he is ignorant on the subject in question or that he is trying to hoodwink the public. In either event according to Mr Johnson he has seriously committed himself.

It would be a nice experiment, and could be accomplished without much difficulty,

to measure the resistance of the stream of water and then the resistance of the drenched firemans holding the hose, and make a comparison.

It is a grave matter to deceive the public on this all important subject. The person of ordinary electrical knowledge knows the laws of electrical distribution, and will say, put the dangerous dynamic fluid conductors under ground. In the meantime he will pass under them cautiously and breathe forever when he gets out of their reach.

Examples of electrical distribution present themselves to me every day.

For instance, 4 wires between Newyork, and Boston become crossed or make contact with each other and at the same time make a partial earth contact 20 or 30 miles out, A battery connected at Boston will divide at the earth contact and sufficient quantity reach Newyork through the different wires to supply each instrument with a strong current. We use as you understand machine currents on all our wires, but it is toned

down with artificial internal resistance so as to render it applicable to our work, and this process at the same time makes it harmless as far as danger to human beings is concerned, 350 volts, being equal to about that number of cells gravity, is the highest we use. —

I am looking every day for an illustration of the law of electrical distribution that will be a convincing one to the non-believers. It is sure to come but I hope it will strike among cats and dogs and that human souls will not be the price of the evidence.

Yours Truly
Jno Caflin
195 Broadway
N.U. Tel. Co.

1883-12-21

My Dr Edison

What do you think of this?
I wonder if Gouraud
Ever handed that stock
over to Pender or he
simply got it out of
us & pocketed it.
If you know anything
that will aid me in
replying to it Please
let it down —

Yours
E.

Dec 21/83

I remember nothing except
we paid Gouraud & the
Home Office — paid OK
Result can't the amount of
our correspondence

1883. Telephone (D-83-074)

This folder contains correspondence, agreements, reports, and other documents relating to the telephone in the United States and abroad. Some of the documents pertain to the business of the Edison Telephone Company of Europe, Ltd. and the Oriental Telephone Company, Ltd.

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence concerning accounts, dividends, and orders for carbon buttons; duplicate copies of selected documents; blank forms.

Schools & Colleges.

SAMUEL SPAHR LAWS, LL. D., President and Prof. of Metaphysics.
JOSEPH G. NORWOOD, LL. D., Dean of Medical Faculty.
JOSEPH FICKLIN, Ph. D., Prof. Mathematics and Astronomy.
GEO. C. SWALLOW, LL. D., Dean of Agricultural Faculty.
PAUL SCHWEITZER, Ph. D., Prof. of Chemistry.
HON. PHILEMON BLISS, LL. D., Dean of Law Faculty.
HON. BOYLE GORDON, Prof. of Law.
ANDREW McALESTER, M. D., Prof. of Surgery.
WM. A. CAUTHORN, A. M., Asst. Prof. of Mathematics.
S. M. TRACY, M. S., Prof. Botany & Entomology.
M. M. FISHER, D. D., Latin Language & Literature.
THOMAS J. LOWRY, C. E., Dean of Engineering Faculty.

University of the State of Missouri,

DAVID R. McANALLY, Jr., A.M., Prof. of English.
MISS GRACE C. BIBB, Dean of Normal Faculty.
JOHN H. DUNCAN, M. D., Prof. Physiology & Materia Medica.
WOODSON MOSS, M. D., Prof. of Anatomy.
A. F. FLEET, A. M., Prof. Greek & Comparative Philology.
JAMES SHANNON BLACKWELL Ph. D., Prof. Hebrew & Mod. Languages.
GEO. HUSMANN, Prof. of Pomology & Forestry.
LIEUT. FRANK P. BLAIR, LL. B., Prof. Military Science & Tactics.
CONRAD DIEHL, Prof. of Art.
B. F. THOMAS, Ph. D., Prof. Physics.
MRS. O. A. CARR, Lady Principal.
J. H. DRUMMOND, A. B., Librarian and Proctor.

Columbia, Boone Co., Mo. Jan 31 1883

Thos. A. Edison, Esq.

Dear Sir.

The package of 12 carbon buttons which you kindly sent in answer to my request, has arrived. Two only of the twelve reached here unbroken, but I hope to be able to do the work I wish with them. With many thanks for the favor granted, I am

Yours Very Truly

Benj: F. Thomas.

If you require more buttons I will send them

St James' Jan 10. 1883

Dear Mr Insull,

As I am now going South I will pm send the list of Australian patents &c to my firm in London. I am sorry I have not had time to ~~send~~ see the Central Station. Will hope to do so on my return. I have been kept so busy.

Yours truly

Alex Rennie Rae

[MEMORANDUM BY JOHN F. RANDOLPH]

to ~~send~~ assign or direct the assignment of such patents to ~~the~~ Oriental Co.

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Jan. 108

Stanhope

The Oriental Telephone Company, Limited.

3, Great Winchester Street, E.C.,

London, *15th January*, 1883.

Sir,

In sending you the accompanying Notice, calling an Extraordinary General Meeting of the Members of the Company on Wednesday, the 24th January, 1883, I am instructed by the Board to explain the object in view.

The Directors have been informed of the payment to their Bankers in Bombay of the bulk of the purchase-money due by the Bombay Telephone Company (Limited), and they desired to declare an Interim Dividend, pending the preparation of the accounts, to the 31st December, 1882, which will still take some time.

The Solicitors, however, advise that, as the Articles of Association at present stand, the Directors have not the power to pay Interim Dividends or instalments on account of dividends. Hence the proposal to add an Article, to be numbered 79a, and to amend Article 82.

The proposed alteration in the Articles as regards Warrants is of a purely formal character, and requires no special comment.

As no other business will come before the Meeting, I enclose a form of proxy, which it may be convenient for you to use, in which case please fill it in and return it, so as to reach me not later than the morning of the 22nd instant.

I am, Sir,

Your obedient Servant,

W. G. HALL,

Secretary.

The Oriental Telephone Company, Limited.

Notice is hereby given that an Extraordinary General Meeting of the Members of the above named Company, will be held at the City Terminus Hotel, Cannon Street, in the City of London, on Wednesday, the 24th day of January, 1883, at 12 o'clock noon, for the purpose of considering and if thought advisable, passing the following Resolutions viz. :—

PROPOSED RESOLUTIONS.

1. That the Articles of Association of the Company be, and the same hereby are altered by rescinding Article 48, and that in lieu thereof the following Article shall henceforth be Article 48, viz. :—

> 48. Every Member shall have one vote for every Share held by him, and every holder of a Share Warrant shall (subject to the provisions of Clause 23 being complied with) have one vote for every Share Warrant held by him. In case of an equality of votes at any General Meeting or Poll, the Chairman shall be entitled to a second or casting vote.

2. That the Articles of Association of the Company shall be, and the same hereby are altered by the following Article being inserted after Article 79, viz. :—

> 79a. The Directors may of their own authority from time to time determine on, and declare an instalment to be paid to the Members in proportion to the amount paid up or deemed and taken as paid up upon their shares on account, and in anticipation of the dividend for the current year, but so that the aggregate amount of such instalments in any one year shall not exceed a dividend at the rate of 20 per cent. for the year.

3. That the Articles of Association of the Company be, and the same hereby are altered by rescinding Article 82 of the Articles of Association of the Company, and that in lieu thereof the following Article shall henceforth be Article 82, viz. :—

> 82. Every dividend and instalment of dividend or interest shall belong and be paid (subject to the Company's lien) to the Members who shall be on the Register at the date when such dividend or instalment of dividend shall be declared, or interest shall be payable, notwithstanding any subsequent transfer or transmission of Share.

Should all or any of the above Resolutions be passed by the required majority, they will be submitted for confirmation as Special Resolutions, to a second Extraordinary General Meeting of the Company which will be subsequently convened.

Dated the Fifteenth day of January, 1883.

By Order of the Board,

W. G. HALL,

Secretary.

8, Great Winchester Street,
London, E.C.

I,.....

of.....

in the county of.....

being a Member of the ORIENTAL TELEPHONE COMPANY, LIMITED, hereby appoint JOHN PENDER, Esq., M.P., (being likewise a Member of the Company), and him failing, PATRICK CARNEGY, Esq., C.I.E., (being likewise a Member of the Company), and him failing, Sir ALEXANDER ARMSTRONG, K.C.B., (being likewise a Member of the Company), to act as my Proxy at the Extraordinary General Meeting of the Company, to be held on the 24th day of January, 1883, and at any adjournment thereof.

AS WITNESS my hand this.....day of January, 1883.

Signature.....

This Proxy to be of use must be returned so as to reach the Company's Office not later than the morning of the 22nd January, 1883.

The Oriental Telephone Company, Limited.

Notice is hereby given that an Extraordinary General Meeting of the Oriental Telephone Company, Limited, will be held at the Offices of the Company, No. 3, Great Winchester Street, London, on Thursday, the 8th day of February, 1883, at Two o'clock in the Afternoon, when the subjoined Resolutions, which were passed at the Extraordinary General Meeting of the Company, held on Wednesday, the 24th day of January, 1883, will be submitted for confirmation as Special Resolutions:—

RESOLUTIONS.

1. That the Articles of Association of the Company be, and the same hereby are altered by rescinding Article 48, and that in lieu thereof the following Article shall henceforth be Article 48, viz.:—

> 48. Every Member shall have one vote for every share held by him, and every holder of a Share Warrant shall (subject to the provisions of Clause 23 being complied with) have one vote for every Share Warrant held by him. In case of an equality of votes at any General Meeting or Poll, the Chairman shall be entitled to a second or casting vote.

2. That the Articles of Association of the Company shall be, and the same hereby are altered by the following Article being inserted after Article 79, viz.:—

> 79a. The Directors may of their own authority from time to time determine on, and declare an instalment to be paid to the Members in proportion to the amount paid up or deemed and taken as paid up upon their shares on account, and in anticipation of the dividend for the current year, but so that the aggregate amount of such instalments in any one year shall not exceed a dividend at the rate of 20 per cent. for the year.

3. That the Articles of Association of the Company be, and the same hereby are altered by rescinding Article 82 of the Articles of Association of the Company, and that in lieu thereof the following Article shall henceforth be Article 82, viz.:—

> 82. Every dividend and instalment of dividend or interest shall belong and be paid (subject to the Company's lien) to the Members who shall be on the Register at the date when such dividend or instalment of dividend shall be declared, or interest shall be payable, notwithstanding any subsequent transfer or transmission of Shares.

Dated the Twenty-ninth day of January, 1883.

By Order of the Board,

W. G. HALL,

Secretary.

3, Great Winchester Street,
London, E.C.

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The Direct United States Cable Company, Limited

Principal Office: 52 Old Broad Street, London, England.

76 Broad Street
Pendar
New York 8th Feby 1883

Dear Sir:-

I have been requested to hand you the subjoined cablegram which has just been received.

Yours truly.
Geo Ward
Supt

T. A. Edison Esq
65 Fifth Ave
City.

"Edison New York."
"Do not think Sir
"Julius Vogel has acted beyond
"his rights, but will stay
"further sales pending interview
"here next week with Welles."
"Pender"
"London"

Borkie

[1883-02-19]

I have come to the Conclusion that I shall not sign or do anything in connection with telephone matters until the contract in regard to telephone has been carried out by the W U Telegraph Company. They are neglecting to comply & perform one of the most important conditions to me in said Contract & until this is satisfactorily adjusted I am not prepared to facilitate these matters

TO THE SHAREHOLDERS

OF THE

UNITED TELEPHONE COMPANY, LIMITED.

36, COLEMAN STREET,
LONDON, E.C., *28th February*, 1883.

DEAR SIR,

The Board of Directors, in their Circular of the 24th of May last, gave to the Shareholders a short history of the result of the litigation which had taken place up to that date on the Company's Patents. In Scotland the Company had obtained Judgment in its favour both on Edison's Patent for the Carbon Transmitter and on Bell's Patent for the Magneto Telephone. In England a similar decision had been obtained in favour of the Company under Bell's Patent, but a technical objection to the validity of Edison's Patent had been upheld by Mr. Justice Fry, and under these circumstances, although the Hunning's Transmitter manufactured and sold by the Defendants was held to be within Edison's Specification, an Injunction was refused.

The Directors, on a careful consideration of the circumstances of the case, came to the conclusion that an immediate application for a "Disclaimer" was desirable. Although they had good reason to hope that Mr. Justice Fry's decision on this technical point would not be sustained by the Court of Appeal, they did not forget that during the whole time the Appeal was pending an adverse decision would be standing against them, and that during that time they would be unable to restrain the manufacture and sale of infringing instruments; whereas an application for a Disclaimer, if promptly made, would be heard before the Long Vacation, and, the blot upon the Patent once cured, Mr. Justice Fry's decision would stand in all points in favour of the Company. The necessary Petition for leave to "disclaim" was therefore at once lodged, and on the 29th of July the application was granted by the Attorney-General, and the necessary "Disclaimer" was filed on the 16th of August.

By the terms of the Attorney-General's fiat protection was given to transmitters manufactured prior to the 29th of July by certain persons who opposed the application, but the number of instruments so protected is not large. Protection was also given to contracts *bonâ fide* entered into by the opponents for the manufacture of transmitters before the 29th of July, and under this proviso an attempt is being made to claim protection for a large number of instruments for the manufacture of which *verbal* contracts are stated to have been made. The Directors question the *bonâ fides* of these alleged contracts, and they have taken the necessary steps to have the point determined by the Attorney-General.

The Disclaimer having been filed, the Directors withdrew their appeal from Mr. Justice Fry's decision. Upon the Patent as disclaimed the decision was entirely in the Company's favour, and no reason therefore existed for bringing it under the review of the Court of Appeal. Proceedings have since been taken under the Patent as amended against several persons infringing the Patent, and in every case the Defendants have submitted to judgment and paid the costs of the proceedings.

Messrs. Harrison, Cox-Walker & Co., against whom an injunction was granted for infringment of the Bell Patent in May last, lodged an appeal against this decision, which came on for hearing on the 28th of January last, before the Master of the Rolls, Lord Justice Lindley and Lord Justice Bowen. After a most patient hearing extending over nine days (nearly seven of which were occupied by the Appellants), the Court gave an unanimous decision in favour of the Company, upholding Mr. Justice Fry's decision, and dismissing the appeal with costs.

There remains, of course, the possibility of an appeal to the House of Lords, but, even should such an appeal be made, the Directors feel great confidence that a Patent which has been unsuccessfully attacked on three different occasions, which has been under consideration by the Courts for thirty-three days, and which has been supported by the decisions of two Judges of First Instance, and of three Judges of Appeal, is not likely to be broken down if brought before the ultimate Court of Appeal.

The Company has obtained injunctions against the following Persons and Firms for infringing one or more of its Patents :—

ALEXANDER MACLEAN	Of Edinburgh.	EDWIN BUTLER	Of Liverpool.
M. THEILER & SONS	„ London.	W. HAINES	„ Birmingham.
HARRISON, COX-WALKER & CO.	„ Darlington.	F. HEBDEN & CO.	„ Bradford.
ORME & CO.	„ London.	H. & E. J. DALE	„ London.
COX & WILLIAMSON	„ Plymouth.		

In other cases apologies have been accepted, accompanied by undertakings to discontinue the manufacture or sale of infringing instruments.

The Directors, while congratulating the Shareholders upon the successful manner in which their Patents have been upheld both in England and Scotland, think the present a favourable opportunity to give a few figures illustrative of the progress of the Company.

The number of Exchange Subscribers to the London system was—

On 28th of February,	1881	845
„ 28th „	1882	1,505
„ 28th „	1883	2,541

showing an increase of 660 Subscribers for the year between February 28th, 1881, and February 28th, 1882, and of 1,036 Subscribers for the corresponding period between 1882 and 1883.

The gross Income from London Rentals alone has now reached £60,000 per annum, and the annual value of the unexecuted orders in hand—which will be added day by day to the Revenue of the Company as the lines are completed—is to-day about £5,000. The Company is receiving on an average orders each day of the annual value of about £100.

As showing the use made of the Company's Exchange system in London, the calls of the Subscribers on five days in the third week in February (omitting Saturdays and Sundays) for the past three years were as under :—

1881	15th Feb.	4,195 Calls	Total for the five days ... ... 22,256.
	16th Feb.	3,986 Calls	
	17th Feb.	4,361 Calls	being a daily average of ... 4,451.
	18th Feb.	4,838 Calls	
	21st Feb.	4,876 Calls	or 5.13 per Subscriber.
1882	15th Feb.	9,576 Calls	Total for the five days ... ... 48,586.
	16th Feb.	9,770 Calls	
	17th Feb.	9,662 Calls	being a daily average of ... 9,717.
	20th Feb.	9,790 Calls	
	21st Feb.	9,788 Calls	or 6.57 per Subscriber.
1883	15th Feb.	19,089 Calls	Total for the five days ... ... 95,108.
	16th Feb.	20,042 Calls	
	19th Feb.	18,874 Calls	being a daily average of ... 19,021.
	20th Feb.	18,501 Calls	
	21st Feb.	18,602 Calls	or 7.59 per Subscriber.

Each call implies an answer, and consequently the number of calls doubled will represent the minimum number of messages daily transmitted along the Company's wires.

The Directors are availing themselves of every opportunity of extending their business in the Provinces by enlisting local interest in the formation of Subsidiary Companies,—one for the Western Counties and another for the South of England and Brighton being in course of formation,—in addition to those already established, in which, as the Shareholders are aware, the Company has now so large and progressive an interest, both in Shares and Royalties.

In conclusion, the Directors would urge each Shareholder to supplement the exertions of the Board by using his personal influence, among his friends, to bring Subscribers to the Company's system.

Yours faithfully,

JAMES BRAND,
Chairman.

Pl. Sh. Co
Prospectus

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1883-03-08

DREXEL, MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARJES & CO.
Paris.

Ans. 8th March 1883

New York March 8th 1883

Saml. Insull Esq.
65 Fifth Ave
City

Dear Sir,

We are in receipt of your favor of the 6th inst. and in accordance therewith, we are sending Messrs J. S. Morgan & Co. 1500 shs. stock of the Oriental Telephone Co. Ltd. a/c Mr. E. H. Johnson.

Yours truly
Drexel Morgan & Co

1883-03-16

Western Electric Company,
New York.

March 16, 1883

Samuel Insull, Esq.,
65 Fifth Avenue,
New York

Dear Sir:--

Herewith we hand you a copy of a letter received from Mr. Welles, which will explain itself.

Please advise us what progress has been made regarding the account of the Edison Telephone Co. of Europe.

Yours truly,
Western Electric Co.
C. A. Brown

Inclosure

Oriental Telephone Company Limited,
3, Great Winchester Street, E.C.

London 14th March 1883.

Thos A. Edison Esqre.
65 Fifth Avenue.
New-York.

Dear Sir,

I requested Mr Renshaw to inform you that your two letters dated the 9th February, reached this on the 20th ultimo. My time was occupied & the Commission I have deferred replying, hoping that something would come of the negotiations opened with Mr Welles. Nothing has yet been decided however, and I must leave the reply to your letters for a little time longer.

I am Dear Sir
Yours faithfully
W Hall Secretary.

BELL TELEPHONE MANUFACTURING CO.
(SOCIÉTÉ ANONYME)
ANTWERP.

[illegible] APRIL [illegible], [illegible]

[illegible]

[illegible]

DEAR [illegible]

I ENCLOSE A COPY OF SOME LETTERS [illegible] BETWEEN THE ORIENTAL TELEPHONE [illegible], [illegible], [illegible] RELATIVE TO THE [illegible] ROYALTIES FOR 1930. [illegible] OF THE [illegible] REPORT WAS MADE. [illegible] A TELEGRAM [illegible] AT THE OFFICE OF THE ORIENTAL CO., WHICH WAS [illegible]. [illegible] THE SECRETARY [illegible]

[illegible]

I AM [illegible] MY LETTER OF FEB. 17-[illegible], TO WHICH HIS LETTER OF FEB. 24-[illegible] IS A REPLY. I ENCLOSE A COPY OF [illegible] THIS LAST LETTER.

[illegible] ORIENTAL TELEPHONE CO. WILL NOT ACCEPT PAYMENT OF THE ROYALTIES, WILL YOU PLEASE ADVISE ME, THROUGH THE WESTERN ELECTRIC, TO WHOM YOU WISH REPORTS RENDERED OF THE ROYALTIES ACCRUING UNDER YOUR CONTRACT OF JAN. 17, 1930, WITH THE WESTERN ELECTRIC MFG. CO.

THE ORIENTAL TEL. CO. HAVE NEVER GIVEN ANY EXPLANATION OF THEIR REFUSAL TO ACCEPT THE ROYALTIES FOR 1930, AFTER ACCEPTING THEM FOR 1931. NEITHER HAS THEY STATE DEFINITELY WHETHER THEY CONSIDER THE CONTRACT OF JAN. 17, 1930, AS STILL IN FORCE, OR NOT.

[illegible],

[illegible]

ENCLOSURE

[ENCLOSURE]

Copy.

BELL TELEPHONE MANUFACTURING Co,
(SOCIÉTÉ ANONYME)
ANTWERP.

april 7. 1883.

W. G. Hall, Sec'y
London

Dear Sir,

I have received from Melbourne a report of royalties for 1882, and money to pay your Company, but the report is evidently wrong, and I have returned it for correction.

I can either pay you the partial royalties sent me, or leave the whole matter until I get a complete report. The one sent was apparently made out under a mis-apprehension.

Will talk with you about it next week, when I am there.

Yours faithfully,
(signed) F. R. Welles

[ENCLOSURE]

Copy.

BELL TELEPHONE MANUFACTURING Co.,
(SOCIÉTÉ ANONYME)
ANTWERP.

April 17. 1883.

W. J. Hall, Sec'y
Oriental Telephone Co.
London.

Dear Sir,

Referring to my letter of the 7th. about Australian royalties, and to the verbal offer which I made you on the 13th, I will leave the offer open until you have had an opportunity to bring the matter before your Board.

As I stated to you, the number of instruments reported from Melbourne is 180, but the number to be paid for should be at least 300, taking the average for the year. If your Company decide to accept payment, I will pay for 180 instruments now, and forward the balance with complete report, as soon as received from Melbourne.

This offer of royalties is made in pursuance of a contract between Thos. A. Edison and the Western Electric Mfg. Co., dated the 17th. January, 1880; the royalties under which were ordered to be paid to your Company by written notice served by Mr. Edison upon the Western Electric Mfg Co. at New-York, June 27. 1882.

Yours truly
(signed) F. R. Welles.

[ENCLOSURE]

Oriental Telephone Company, Limited,
3, Great Winchester Street, E.C.

London, 24th April 1883.

G. R. Welles Esqre
Bell Telephone Manfg Coy
Antwerp.-

Dear Sir,

I duly received your letter of the 14th inst, and you will not be surprised to learn that its contents are not satisfactory. The Committee appointed to deal with Australian matters will be glad to know whether you are prepared to continue the negotiations entered upon and if so when.-

Yours faithfully
W. Beale Secy

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Western Electric Company,
New York.

May 9th, 1883.

Samuel Insull, Esq. Western Elec. Co.
Fifth Floor.
New York.

Dear Sir,—

To prevent the possibility of the matter referred to this morning in an interview between yourself and the writer, escaping your attention, we beg to request a reply to the letter of Mr. Wells of Antwerp, through us.

It will not be difficult for you to see that the Oriental Telephone Co. are trying to force us into selling our Australian business for a mere fraction of its value, a proceeding which they ought to know by this time we will not.

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Western Electric Company,
New York.

It is impossible for Mr. Wells to get anything definite from them. As he puts it, "When I meet them and ask them a question fairly and squarely, whether they hold our contract with Mr. Edison still good, or never good, or broken by non-compliance with conditions, they are all dumb as so many oysters."

If you will embody in your reply to Mr. Wells substantially what you said to the writer, viz. "That they must accept royalties and hold the contract good, or give it up; that would be giving them some direction

Western Electric Company, 3
New York.

in the matter.

We trust the matter will have your careful attention.

Yours truly
Western Electric Co.
C. A. Brown.

Copy.

Thos. A. Edison
No. 65th Avenue New York.

May 13th 1883

John Pender Esqre
Chairman
Oriental Telephone Co.
Gt. Winchester Street
Lond. E.C. England.

Dear Sir

We have received from Mr Welles a letter in which he states that your Company have refused to accept the australian Telephone royalty from him for 1882 notwithstanding that you had already accepted that for 1881 He states that although your Company refuses to accept the royalty they will not state definitely whether they consider the contract of January 17. 1880 as still in force or not and he applies to me for advice and assistance in the matter I have written him inasmuch as I have disposed of all my rights under that contract to your Company it is impossible ~~there~~ for me to accept the royalty and have suggested again that he apply to you and endeavour to get some definite expression of your views upon the subject I feel very strongly that your interest would be better served by making some arrangements with Mr Welles and so overcome any difficulties there may be in connection with the australian business Mr Welles represents the Western Electrical Co who have very strong backing in this country and they feel that they have certain rights in connection with the australian business which they are very averse to giving up without

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an equivalent although they are not at all disinclined to negotiating with you for an amicable settlement of the matter it would afford me very great pleasure to hear that this matter had been adjusted as I consider that it would be against the instruments of all concerned if active competition in the Telephone business in Australia should be developed.

Very truly yours
T. A. Edison

xd/3

[ATTACHMENT]

Copy Cable.

Dec. 16th 1882.

Pender
London

Send the following to Vogel. ask Masters for me who authorized him use my name connection Telephone. Tell him all my interest assigned Oriental Company. Only other Contract Australia with Western Electric or Manufacturing Company which invalidated by noncompliance condition

Edison

[ATTACHMENT]

1880-01-17 ①
Telephone in Australia

Menlo Park N.J.
Jany 17th 1880

In consideration of the agreement on the part of the Western Electric Manufacturing Company that they will at once send a man to Australia with material and instruments and organise telephone exchanges in the principal Cities of Australia and will interest with them Mr Jeffray of Melbourne and Mr McIlwraith of Brisbane in the Telephone Exchange business of Australia I agree to give them the exclusive right of my Telephone patents and rights in Australia on condition of receiving one dollar royalty per year on each instrument. I will execute a formal contract embodying the principles and force of this Agreement. said contract to be with and in favour of the Western Electric Co and sd Jeffray & McIlwraith.

(signed) T. A. Edison

Witness.
H. H. Cunderback
Western Electric Mfg Co.
M. G. Kellog
Supt.

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THE

ORIENTAL TELEPHONE COMPANY, LIMITED.

NOTICE IS HEREBY GIVEN that the THIRD ORDINARY ANNUAL GENERAL MEETING of this Company will be held on WEDNESDAY, the 30th day of May, 1883, at Twelve o'clock Noon, at the CITY TERMINUS HOTEL, CANNON STREET, London, when the Directors' Report and the Accounts for the year ending 31st December, 1882, will be submitted, a dividend declared and the ordinary business of the Company transacted.

And notice is also given that the Register of Transfers will be closed from the 22nd till the 30th May instant both days inclusive.

Dated this 18th day of May, 1883.

By order of the Board,

W. G. HALL,
Secretary.

William Brown & Co., Printers, London.

THE

Oriental Telephone Company, Limited.

DIRECTORS.

JOHN PENDER, Esq., M.P., *Chairman.*
Sir ALEXANDER ARMSTRONG, K.C.B., LL.D., F.R.S., &c., &c.
JOHN P. BIGELOW, Esq.
W. W. CARGILL, Esq.
P. CARNEGY, Esq., C.I.E.
T. A. EDISON, Esq.
Colonel GOURAUD.
Honourable G. G. HUBBARD.
Sir WILLIAM THOMSON, LL.D., F.R.S., M.I.C.E., Ex-officio Member of the Board.
JAMES PENDER, Esq.
Sir JULIUS VOGEL, K.C.M.G.

SECRETARY.
Mr. W. G. HALL.

REPORT

OF THE DIRECTORS FOR THE YEAR ENDING 31st DECEMBER, 1882,

TO BE PRESENTED AT THE

THIRD ORDINARY ANNUAL GENERAL MEETING OF THE COMPANY,

TO BE HELD AT THE

CITY TERMINUS HOTEL, CANNON STREET,

IN THE CITY OF LONDON,

On Wednesday, the 30th day of MAY, 1883, at Twelve o'clock noon.

The Directors herewith submit to the Shareholders Balance Sheet and Profit and Loss Account for the year ending 31st December, 1882.

The Company has now in operation, or is interested in, Exchanges in Alexandria, Cairo, Calcutta, Madras, Bombay, Kurrachee, Rangoon, Colombo, Singapore, Hong Kong, Shanghai and the Hawaiian Islands.

At the date of the last report the number of subscribers, including those in Honolulu, using the Company's Lines, was 409. There are now 1,098 subscribers to Exchanges and Private Lines, so that during the year the total increase has thus been, in Exchange and Private Lines, 689 subscribers, an improvement of upwards of 160 per cent.

It will be seen from the Accounts that after setting aside, under Article 80 of the Articles of Association, the sum of £7,000, which may hereafter be applied to meet possible claims under guarantees, there remains a net profit of £6,358 14s. 8d. for the year, in addition to the amount standing to the credit of the Suspense Profit Account, representing this Company's interest, of 13,680 shares of Rs. 25 each in the Bombay Telephone Company, Limited, equal, at 1s. 8d. per Rupee Exchange, to £28,500.

An interim dividend of 2½ per cent. has already been distributed, and the Directors recommend a further dividend of 2½ per cent., making a total distribution on the Ordinary Shares of 5 per cent., free of Income Tax, for the year. After providing for this dividend there will remain an amount of £709 4s. 8d. to be carried over to the credit of Profit and Loss Account for the current year, in addition to the Suspense Profit Account above referred to, which will hereafter be dealt with.

Under Article 65 of the Company's Articles, no change in the constitution of the Board takes place till the Ordinary Meeting in 1884.

Messrs. Deloitte, Dever, Griffiths & Co., the Auditors of the Company retire, but offer themselves for election for the year 1883.

Annexed is a brief statement showing the present position at the Company's various stations.

JOHN PENDER,
Chairman.

3, GREAT WINCHESTER STREET, E.C.,
LONDON, 18*th May*, 1883.

EGYPT.

The Company's business was entirely suspended from the date of the massacre in Alexandria, on the 11th June, 1882, until after the battle of Tel-el-Kebir, fought on the 10th September.

The Alexandria Exchange was almost entirely destroyed, and a claim has been preferred to the Egyptian Indemnity Commission for the damage done.

The Cairo Exchange was not materially injured.

The Company's business in Egypt was transferred on the 31st January, 1883, to the Telephone Company of Egypt, Limited, the consideration being £60,000 in 12,000 fully paid up Ordinary Shares and £20,000 in 4,000 Deferred Shares of the Egyptian Company. The terms, however, may be subject to modification as far as the Deferred Shares are concerned.

The total number of Exchange and Private Line Subscribers in Alexandria and Cairo is now 298.

INDIA.

BOMBAY.—As respects Bombay, the sale to the local Company has been completed, and the management there is now in the hands of the Local Board of Directors.

The latest Returns represent a total of 132 Subscribers in Bombay and Kurrachee, including private lines. The Revenue is capable of large increase without commensurate addition to expenses.

CALCUTTA.—In this city a Company has also been formed to embrace the whole of the Bengal Presidency. The Local Directors are all men of high standing.

The Oriental Company will receive in payment of its rights Rs. 130,000 in cash; Rs. 250,000 in A or Preferred Shares, and Rs. 380,000 in Deferred Shares, less certain commissions. Other terms are similar to those given in the case of the Bombay Company, except that in addition, a small per centage is to be laid aside yearly to form a Reserve.

The latest returns give a total number of Subscribers to Exchange and Private Lines as 120.

A Cable has been laid across the Hooghly to Howrah, and in this suburb a considerable number of Subscribers may be looked for without any material increase in expenses.

In MADRAS business has not progressed as the Board had hoped, but this was owing to a special cause. The lines were originally constructed with iron wire, which became corroded by the peculiar influence of climate, and the service was consequently not good. The lines are now being reconstructed with phosphor bronze wire, and the service is already much more satisfactory. The number of Subscribers is 23, but with a better service an increase may be anticipated.

RANGOON has increased rapidly, there being now 54 Subscribers.

An attempt is being made to form a Local Company for Burmah, the result of which the Directors do not yet know, but whether success results or not as regards the formation of the Local Company, the business in itself is promising.

In COLOMBO the revenue is small, but a recent telegram from the Agent in India indicates a considerable increase as probable.

STRAITS SETTLEMENT.

In SINGAPORE the Exchange, which was acquired on 1st July, has worked well.

There are 43 Exchange Subscribers and 16 private lines.

CHINA.

Here results have been disappointing. The Company was met with opposition in Shanghai, and the rate of subscription was cut down to $50 per annum.

In HONG KONG the Local Government obliged the Company to remove its pole lines from the streets and erect house top fixtures, and this seriously interfered with the service. After some negotiation with the Mutual Telephone Company, which opposed this Company in Shanghai and elsewhere, an agreement was come to, by which the various interests were united in a Company called the China and Japan Telephone Company Limited, each interest taking payment in shares for its rights and outlay. Under this arrangement the Oriental Telephone Company will receive £5,000 in fully paid up shares of the China Company for its rights in Hong Kong and Shanghai, besides shares for the value of capital outlay in construction, &c.

The other interest is to receive £2,500 for their rights, also in shares, and their expenditure in construction in the same form.

There are 66 subscribers in Shanghai and 30 in Hong Kong.

HAWAIIAN ISLANDS.

The latest Balance Sheet of the Hawaiian Bell Telephone Company, to 31st December, 1882, shows a nett profit for the year of $10,791·68, of which rather more than one-half belongs to this Company. The whole amount, however, had been spent in extending the lines and no dividend has yet been declared.

On the 1st January there were 272 lines in operation and 27 fresh applicants.

MAURITIUS.

In PORT LOUIS the Company has been invited to establish an Exchange, and preparations are being made to do so.

AUSTRALIA.

Sir Julius Vogel, one of the members of the Board, has recently returned from the Colonies, and whilst there devoted much time and attention to the Company's interests.

The Directors hope that some substantial result will by and bye be forthcoming from what Sir Julius Vogel has done.

THE ORIENTAL TELEPHONE COMPANY, LIMITED.

PROFIT AND LOSS ACCOUNT FOR YEAR ENDING 31ST DECEMBER, 1882.

	£ s. d.	£ s. d.
To EXPENSES IN LONDON—		
Salaries	980 10 3	
Directors' Remuneration	1,500 0 0	
Rent	250 0 0	
Office Expenses	127 13 9	
Office Repairs	29 3 0	
Stationery and Printing	151 5 6	
Advertising	114 16 7	
Telegrams and Postages	93 6 5	
Accountant's Charges and Audit Fee	105 0 0	
Legal Charges	162 6 0	
Bankers' Charges	4 19 5	
Insurance	22 7 1	
		3,541 8 0
,, Expenses on Hawaiian Bell Telephone Company's Shares		171 19 2
,, Income Tax		170 14 8
,, Proportion of London Expenses during Construction		500 0 0
		4,384 1 10
,, Balance down—Profit for year		6,358 14 8
		£10,742 16 6
,, Dividend @ 2½ per cent. declared		2,824 15 0
,, Balance down		3,533 19 8
		£6,358 14 8

	£ s. d.	£ s. d.
By PROFIT on working the Company's Exchanges		2,165 19 9
,, Profit on Sale of Bombay Branch after placing £7,000 to Reserve Fund		7,077 18 6
		9,243 18 3
,, Profit on Sales of Instruments, &c.		498 17 4
,, Interest, Commission, &c.		702 8 9
,, Transfer Fees		297 12 2
		£10,742 16 6
,, Balance down—Profit for year		6,358 14 8
		£6,358 14 8
,, Balance down		£3,533 19 8

BALANCE SHEET, 31ST DECEMBER, 1882.

	£ s. d.	£ s. d.
To CAPITAL AUTHORISED—		
300,000 Shares of £1 each	300,000 0 0	
,, CAPITAL ISSUED—		
220,000 Shares of £1 each—10/ per Share called	110,000 0 0	
Less—Calls in arrear (since received)	1,705 12 6	
	108,294 7 6	
2,990 Shares of £1 each—issued as fully paid	2,990 0 0	
75,000 Shares of £1 each—issued to Vendors as fully paid	75,000 0 0	
297,990 Shares.		186,284 7 6
,, Creditors		6,383 16 6
,, Bills Payable		3,908 6 3
,, Interim Dividend—distributed 9th Feb., 1883		2,824 15 0
,, Hawaiian Bell Telephone Co. Shares in suspense		1,010 0 0
,, Reserve Fund		7,000 0 0
,, Suspense Profit Account—Bombay Telephone Company Shares		28,500 0 0
,, Profit and Loss Account—		
Profit during year	6,358 14 8	
Less—Interim Dividend	2,824 15 0	
		3,533 19 8
		£239,445 4 11

	£ s. d.	£ s. d.	£ s. d.
By EXPENDITURE—			
On Telephone Patents	115,000 0 0		
On Formation of Exchanges to date	48,010 3 10		
			163,010 3 10
,, Preliminary Expenses	5,808 4 11		
Less—Premium on Second Issue of Shares, and profits on sale of Shares forfeited	2,704 0 0		
			3,104 4 11
,, Expenses in London during construction	1,741 0 4		
Less—charged to Profit and Loss Account, 1882	500 0 0		
			1,241 0 4
,, Office Furniture			262 7 5
			167,617 16 6
,, Stocks and Stores—			
London	143 5 0		
At Branches	7,825 16 3		
In Transit	666 13 4		
			8,635 14 7
,, Shares in other Companies (in suspense per contra)—			
Bombay Telephone Co. . Rs.342,000	£28,500 0 0		
Hawaiian Bell Telephone Co. 95,050	1,010 0 0		
			29,510 0 0
,, Indian Government Rupee Paper, Rs. 5,000			416 13 4
,, Debtors			25,742 5 11
,, Bills Receivable			100 0 0
,, Cash—			
London	7,315 6 9		
At Branches	107 7 10		
			7,422 14 7
			£239,445 4 11

We have audited the Books, Accounts and Vouchers in London, and have examined the statements received from the Company's Branches. The latter have been duly incorporated in the London Books, and the above Balance and Accounts are in accordance therewith.

DELOITTE, DEVER, GRIFFITHS & Co., *Chartered Accountants.* } *Auditors.*

LONDON, *May 17th, 1883.*

Oriental Telephone Company, Limited.

8, Great Winchester Street, E.C.,

London, 18*th May*, 1889.

Sir,

I shall feel obliged if you will sign and return the enclosed form of Proxy, in case you are unable to attend the Ordinary General Meeting of Shareholders to be held on the 30th instant. To be of use the Proxy should reach this Office not later than the 28th instant.

Yours obediently,

W. G. HALL,

Secretary.

I, ...

of .....

in the county of .....

being a Member of the ORIENTAL TELEPHONE COMPANY, LIMITED, hereby appoint JOHN PENDER, Esq., M.P., (being likewise a Member of the Company), and him failing, PATRICK CARNEGY, Esq., C.I.E., (being likewise a Member of the Company), and him failing, Sir ALEXANDER ARMSTRONG, K.C.B., (being likewise a Member of the Company), to act as my Proxy at the Ordinary General Meeting of the Company, to be held on the Thirtieth day of May, 1883, and at any adjournment thereof.

AS WITNESS my hand this .....day of May, 1883.

Signature .....

This Proxy to be of use must be returned so as to reach the Company's Office not later than the 28th May, 1883.

1883-06-04
N

A. G. Smith
Lancaster

Office of
R. C. Thomas,
350 S. 3rd St., Philadelphia.

Use Bell Telephone
owns a telephone that can
be used in a Boiler
Factory & Thomas
you, Manufacturers of Pig Iron,
Lancaster, Pa., June 4th 1883

Conestoga Furnace

Thom's A. Edison Esq
Menlo Park N. J.

RECEIVED
JUN 3 1883
ANSWERED

.....188..
FILED

Dear Sir:

If I remember correctly I saw some time ago you had invented a reciever for the telephone that magnified the sounds. If I am correct, can this sound magnifier be connected to the common telephone? We have an instrument in our Office which is one of the kind in common use, I am slightly hard of hearing, can hear the intonations of the voice but have great difficulty to understand the words. If I have a sound magnifier I think all difficulty would be obviated. If you have what I want and answers the purpose I will pay almost any price. If you can send one do so at once by express.

Yours Truly
J. S. Peacock

Ex Dir
June 16th/83
Fleeming Jenkin
to
E. H. Johnson

1883-06-16

3 Great Stuart Street
Edinburgh

June 16.
1883.

My dear Mr Johnson

Thanks for your note of the 14th. I entirely concur in your qualification of my expressions –

Yours truly

Fleeming Jenkin

E. H. Johnson Esq

1883-06-16

1883-06-21

G.

2. Copthall Buildings.
Angel Court. E.C.
London 21st June 1883.

Samuel Insull Esq
c/o The Edison Electric Light Coy
65 Fifth Avenue
New York.

Dear Sir,

Previous to the receipt of yours of the 24th May I had intended to have written you & explained why I was I did not call to see the apparatus which you mentioned to me but upon my arrival in England I found such a mass of business to attend to that many matters were postponed from time to time, yours being among the number. I now wish to explain that I was obliged to leave New York for Philadelphia sooner than I expected & was hence not able to keep my appointment. In fact my whole visit was a complete rush from beginning to end leaving me no time to write explanations or make calls. In reply now I can only say that I have mentioned the matter to the Directors of the United Company who are desirous of looking into it & upon their suggestion I cabled you on the 5th inst. Of course it is impossible for me to discuss terms at this preliminary stage of the negotiations as I have not seen the

apparatus & do not know its merits.

In reference to the other parties whom you say are in treaty "unfriendly to the United Telephone Coy" I presume you refer to the Globe Company, I do not think it is likely that they will become the purchaser of that or anything else in the nature of telephones in this Country for without wishing to boast of ourselves or injure them I assure you that we are thoroughly informed as to their position & business & there is no question about them being on their last legs. The fiat of the Attorney General in the recent patent case has now been given & it allows them the use of 800 telephones only to work with & even upon these we have commenced an action under another patent.

If you send over the apparatus will you kindly send full directions & instructions as to its use & also an idea of what you propose to ask for it. I know you will not mind my giving you a hint however not to pitch it too high.

Please give my kind regards to Mr Edison & assure him again from me that it is, as I told him at our interview in New York, that his fears that the Directors of the United Coy are opposed in any way to his inventions either telephonic or electric lighting are altogether erroneous. I have

1883-01

ascertained that only one Director of the United Coy is a Director of the Swan Electric Light Coy whereas the Chairman, Mr Brand, is connected with, if not a Director of the Edison Electric Light Coy of Lancashire & that the individuals composing the Telephone Board are more identified with the Edison light than with the Swan. I hope this will disabuse Mr Edison's mind of any feeling of antagonism that it may have previously had against the United Company.

I remain
Yours truly
D. Pennist

3

Awaiting
Machines from
Mackenzie

United Telephone Company,

LIMITED.

REPORT OF THE DIRECTORS

For the year ending 30th April, 1883.

Waterlow and Sons Limited, Printers, London Wall, London.

United Telephone Company,

LIMITED.

NOTICE IS HEREBY GIVEN, that the THIRD ANNUAL ORDINARY GENERAL MEETING of this Company will be held at the CITY TERMINUS HOTEL, CANNON STREET, LONDON, E.C., on Tuesday, the 24th day of July, 1883, at One o'clock p.m., for the purpose of receiving and adopting the Report of the Directors and the Accounts for the year ending April 30th, 1883; also for the purpose of confirming an Agreement made with Mr. ROBINSON KENDAL, of 98, Cannon Street, London, for granting to a Company intended to be formed under the name of "The South of England Telephone Company, Limited," exclusive licenses for the use of the Company's Patents in certain districts, partly in consideration of Fully-paid Shares in such Company, and partly in consideration of Royalties; and in connection with such licenses to sell for Fully-paid Shares and Cash any business now carried on by the Company within the districts comprised in such licenses respectively, and any property used in such business.

The Transfer Books of the Company were closed on the 11th until the 24th instant, both days inclusive.

By order of the Board

JAMES BRAND,

Chairman.

13th July, 1883.

36, COLEMAN STREET, LONDON, E.C.

1883-06-30

United Telephone Company, Limited.

Directors.

JAMES BRAND, Esq.,
Chairman.

JAMES STAATS FORBES, Esq.,
Deputy-Chairman.

JOHN HENRY AGNEW, Esq. | Col. GOURAUD.
JOHN W. BATTEN, Esq. | DILLWYN PARRISH, Esq.
W. CUTHBERT QUILTER, Esq.

JOSEPH B. MORGAN, Esq.,
Managing Director.

REPORT OF THE DIRECTORS,

FOR THE YEAR ENDING 30th APRIL, 1883,

Presented to the Shareholders at the THIRD ANNUAL ORDINARY GENERAL MEETING of the Company,

to be held at the CITY TERMINUS HOTEL, CANNON STREET, LONDON,

On Tuesday, the 24th July, 1883, at One o'clock p.m.

1. **CAPITAL EXPENDITURE.**—A reference to the Capital Account will show that up to the 30th April, 1883, the sum of **£86,582. 17s. 7d.** has been expended upon the works in connection with the London and Provincial Exchanges, Private Lines, and the Stock of Instruments; being **£30,616. 3s. 11d.** more than the outlay shewn in the last balance sheet.

2. **REVENUE.**—The Revenue Accounts show that the receipts of the Company from all sources properly attributable to the year have been **£64,826. 1s. 8d.**, as against **£42,624. 15s. 3d.** in the preceding year, or an increase of **£22,201. 6s. 5d.**

3. **WORKING EXPENSES.**—The Working Expenses for the year have been **£26,434. 7s. 10d.**, as against **£19,550. 4s. 3d.** for the preceding year, and **£14,678. 3s. 0d.** for the year ending 30th April, 1881, or an increase of **£6,884. 3s. 7d.** for the year ending 30th April, 1883, over the preceding year.

4. **DEPRECIATION, &c.**—During the past 3 years the amount of **£19,035. 1s. 5d.** has been written off for renewal, maintenance and depreciation of the London Exchange System, including depreciation of Lease, Office Furniture, &c., and Instruments in the Provinces, of which amount the sum of **£11,939. 11s. 6d.** is in respect of the year ending 30th April, 1883.

   No amount has been written off for depreciation (if any) of the book value of the Patents and Goodwill, it being considered a question which may fairly be left over for future consideration, and in this the Auditors concur.

5. **DIVIDEND AND ISSUE OF CAPITAL.**—The balance of Net Revenue Account is **£28,814. 4s. 3d.**, and the Directors recommend the distribution of a dividend of **6 per cent.** for the year, leaving a balance of **£4,814. 4s. 3d.** to be carried forward.

   ISSUE OF CAPITAL. They have also determined to issue to the Shareholders, *pro rata* to their respective holdings, the remaining 20,000 £5 shares at £2 per share premium, payable by instalments as under:—

   £1. 10s. on allotment,
   £1. 10s. on 1st October, 1883,

   and the remainder by calls to be made (subject to one month's notice) from time to time as required to meet the extension of the Company's business.

6. **PROGRESS OF THE BUSINESS.**—The Board hope that the Proprietors will find in the above figures evidence that the business is being established and developed in a satisfactory manner, due regard being had to the novelty and difficulty of the work of construction and extension. In London the number of exchange subscribers on the 30th April, 1881, was 914; on the 30th April, 1882, 1,673; and on the 30th April, 1883, 2,565. Since that date additional subscribers have been connected with the system, which is extending from day to day.

   The Private Line business has increased from 186 Lines on the 30th April, 1881, to 366 Lines in 1882, and to 576 in 1883; the rentals for the past year being more than double the value as at 30th April, 1882.

7. **RELATIONS WITH THE POST OFFICE.**—The Board are happy to report that their relations with the Post Office continue to be of a friendly character. Since the date of the last Report the Post Master General has made certain concessions with respect to the establishment of "Trunk Lines" for the purpose of connecting Telephone Exchange subscribers in different Towns, and, although these concessions have not been so full as the Company had hoped to obtain, they may nevertheless be accepted as an indication of the intention of the authorities to deal fairly with the development of telephonic communication, as circumstances from time to time manifest its growing importance.

8. **LITIGATION AS TO PATENTS.**—During the past year the Board have been compelled to incur considerable expense and assume great responsibility in defending the valuable patents of the Company, and have by the issue of a special circular under date 28th February, 1883, kept the Proprietors informed on this subject.

The Board need hardly say that they have no alternative but to vindicate the rights of the Company in the case of all infringement, however reluctant they may be to incur legal costs, or to appear to press hardly upon individuals. The result of the important proceedings recently brought to issue is, as the Board are advised, to ensure to the Company the legitimate benefit of the inventions acquired by them, and only brought into practical use by the large expenditure of money, time and labour, which has attended the establishment of the valuable aid to the commercial and social requirements of the public afforded by the Telephone.

9. **DISTRICT COMPANIES.**—The Board, following the policy already adopted of making over to persons locally interested the management of the Telephone business within the limits of particular Districts, conditionally upon the formation of District Companies affiliated to the parent Company, have to ask the Shareholders to confirm the Agreement in relation to "The South of England Telephone Company, Limited."

The general basis of the Agreement under which the business is transferred is the repayment to the United Company of all sums expended by them in the District up to the date of the transfer of the business, one-half of the Ordinary Capital of the District Company, and the further payment of Annual Royalties upon the Telephones used.

10. **RETIRING DIRECTORS.**—In accordance with the Articles of Association, two Members of the Board, Messrs. Dillwyn Parrish and W. Cuthbert Quilter, will retire at this Meeting. Being eligible, they will offer themselves for re-election.

11. **RETIRING AUDITORS.**—The Auditors, Messrs. Quilter, Ball & Co., and Messrs. Price, Waterhouse & Co., also retire, and will be eligible for re-election.

12. **PROXIES.**—A Form of Proxy is enclosed for the signature of Shareholders who may be unable to attend the Meeting; and it is requested that the Proxies may be signed and returned to the Secretary, 36, Coleman Street, E.C., so that he may receive them not later than Saturday, the 21st inst.

JAMES BRAND,
Chairman.

36, Coleman Street, E.C.
13th July, 1883.

UNITED TELEPHONE COMPANY, LIMITED.

CAPITAL ACCOUNT, 30TH APRIL, 1883.

Dr.

	£ s. d.	£ s. d.
To Purchase of Patents, Goodwill, &c., as at 30th April, 1882	340,893 18 1	
Add further Expenditure	10,743 1 0	
	351,636 19 1	
Legal Expenses, re Patents	5,875 0 1	
		357,511 19 2
To Expenditure on London Exchange System, Plant, Wire, Instruments, &c.	70,128 0 11	
Less:— Amount written off for depreciation, &c., included in item of £17,355 6s. 5d. in Revenue Account	10,449 17 3	
		59,678 3 8
To Provincial Exchanges		7,627 1 4
To Sundry Stocks of Instruments in the Provinces	20,681 14 3	
Less:— Amount written off for depreciation, &c., included in item of £17,355 6s. 5d. in Revenue Account	1,004 1 8	
		19,677 12 7
		£444,094 16 9

Cr.

	£ s. d.	£ s. d.
By Share Capital:— 100,000 Shares of £5 each	500,000 0 0	
Whereof issued 80,000 Shares of £5 each paid up		400,000 0 0
By Balance carried to Balance Sheet		44,094 16 9
		£444,094 16 9

REVENUE ACCOUNT FOR THE YEAR ENDING 30TH APRIL, 1883.

Dr.

	£ s. d.	£ s. d.
To General Charges, viz.:— Directors' Remuneration, as per Articles of Association	1,500 0 0	
Salaries and Wages (General Management and Office)	6,802 13 10	
Stationery, Printing, Advertising and Postages	1,383 2 7	
Travelling Expenses, Law and other Charges	2,329 19 10	
	12,115 16 3	
Less:— Proportion placed against amounts received from Provincial Companies (as per Balance Sheet)	1,000 0 0	
		11,115 16 3
To Working Expenses:— Rent, Rates, Taxes, and Insurance	4,023 1 0	
Wages and Expenses incidental to the working, renewal, maintenance and depreciation of the London Exchange System including depreciation of Lease, Office Furniture, &c., and Instruments in Provinces	17,855 6 5	
		21,878 7 5
To Expenditure at Provincial Stations, now being worked by the Company	10,495 9 10	
Less:— Expenditure reimbursed by Subsidiary Companies	3,365 14 2	
	7,129 15 8	
Deduct:— Chargeable to Capital	1,750 0 0	
		5,379 15 8
To Balance carried to Net Revenue Account		10,921 10 6
		£49,295 9 10

Cr.

	£ s. d.	£ s. d.
By Subscriptions and Rentals (London)— Brought forward from last Account	18,489 17 6	
Received and outstanding	58,118 14 2	
	76,608 11 7	
Deduct:— Post Office Royalties	4,750 1 4	
Proportions of Subscriptions (*less* Post Office Royalties thereon) and Rentals carried forward to next year's Account for unexpired terms	27,923 2 2	
	32,673 3 6	43,935 8 1
By Subscriptions and Rentals (Provincial)— Received and outstanding		5,360 1 9
		£49,295 9 10

NET REVENUE ACCOUNT FOR THE YEAR ENDING 30TH APRIL, 1883.

Dr.

	£ s. d.
To Balance carried to Balance Sheet	28,814 4 3
	£28,814 4 3

Cr.

	£ s. d.	£ s. d.
By Balance from last Account	21,945 8 7	
Deduct Dividend 30th April, 1882	19,583 6 8	
		2,362 1 11
By Balance from Revenue Account		10,921 10 6
By Royalties		12,286 15 9
By Interest		478 0 0
By Transfer Fees		259 4 0
By Dividends on Shares		766 11 1
By Estimated further Dividends on Shares		1,800 0 0
		£28,814 4 3

BALANCE SHEET, 30TH APRIL, 1883.

Dr.

	£ s. d.	£ s. d.
To Creditors		19,412 19 0
To Amount received in respect of privileges conceded to the following Companies, viz.:—		
Cash (received from The Lancashire and Cheshire Telephonic Exchange, Limited)	50,000 0 0	
45,000 Ordinary Shares of £5 each, fully paid, in The National Telephone Company, Limited	225,000 0 0	
50,000 Ordinary Shares of £1 each, fully paid, in The Lancashire and Cheshire Telephonic Exchange, Limited	50,000 0 0	
7,500 Ordinary Shares of £5 each, fully paid, in The Northern District Telephone Company, Limited	37,500 0 0	
87,500 Ordinary Shares of £1 each, fully paid, in The Telephone Company of Ireland, Limited	87,500 0 0	
	459,000 0 0	
Deduct:— Bonus of 10/- per Share, paid on 80,000 Shares, out of the Cash portion of the above	40,000 0 0	
Proportion of Legal Expenses	450 0 0	
Proportion of Management Expenses	3,900 0 0	
	44,350 0 0	
		403,650 0 0
To Reserve Account:— Premiums on Shares		2,300 0 0
To Revenue Account, year 1883-4:— Proportions of Subscriptions (*less* Post Office Royalties thereon) and Rentals in respect of periods extending beyond 30th April, 1883		27,923 2 2
To Net Revenue Account:— Balance at Credit thereof		28,814 4 3
		£484,100 5 5

Cr.

	£ s. d.	£ s. d.
By Capital Account Balance of that Account		44,094 16 9
By Lease of Coleman Street Office, and Fixtures and Furniture there, and at other Offices and Exchanges		2,762 12 3
By Stores on hand		11,853 6 0
By Shares in other Companies, viz.:— 45,000 Shares of £5 each, fully paid, in The National Telephone Company, Limited	225,000 0 0	
50,000 Shares of £1 each, fully paid, in The Lancashire and Cheshire Telephonic Exchange, Limited	50,000 0 0	
7,500 Shares of £5 each, fully paid, in The Northern District Telephone Company, Limited	37,500 0 0	
100 Preference Shares of £10 each in The National Telephone Company, Limited	1,000 0 0	
87,500 Shares of £1 each, fully paid, in The Telephone Company of Ireland, Limited	87,500 0 0	
		401,000 0 0
By Estimated Dividends from subsidiary Companies		1,800 0 0
By Debtors		18,448 11 8
By do. for subscriptions and Rentals outstanding		1,961 3 0
By Cash:— At Bankers	2,057 1 6	
In hand, London and Provinces	115 15 3	
		2,172 16 9
		£484,100 5 5

We have examined and hereby certify the correctness of the foregoing Balance Sheet.

13th July, 1883.

QUILTER, BALL & CO., PRICE, WATERHOUSE & CO., } Auditors.

T. A. EDISON,
65 Fifth Avenue.

REC'D
SEP 7 188
ANSWERED
1 188

FILE No

New York, Sept. 7th. 1883

Thomas A. Edison, Esq.

65 Fifth Avenue, City.

Dear Sir:-

I shall be glad if you can make it convenient to attend a meeting of the Board of Directors of the Edison Telephone Company of Europe, to be held at the office of Messrs. R. L. Cutting & Co., 19 William Street, at 2 P.M. on Tuesday the 11th. September.

The purpose of the meeting is to consider the arrangements with Col. George E. Gouraud and the Edison-Gower-Bell Telephone Company of Europe.

Col. Gouraud is now in the City and will attend the meeting and explain the state of the Company's business.

Very truly yours,

Thos A Edison

President,

Edison Telephone Co., of Europe.

OFFICE OF
THE UNITED STATES ROLLING STOCK CO.,
No. 35 BROADWAY,

New York, Sept. 7 1883.

Thos. A. Edison, Esq.
President Edison Telephone Co of Europe.
65 Fifth Ave
City.

Dear Sir,

Mr Hegewisch desires me to say in answer to your favor of even date, that he regrets very much not to be able to be present at the meeting of the Board of Directors of your Company to be held on the 11th inst. He leaves for Chicago tomorrow tonight and will not return for a week or so.

Mr Hegewisch desires me to say further to you that he would consider it a great favor if you will kindly send him ~~an~~ letter of introduction to your patent lawyer, Mr Serrell.

I remain, Dear Sir,

very truly yours
A. Benn.

16

Sept 11 1883

R. R. Knox

re – the Cuttings being out of town

New York, 11th Sept. 1883

T. A. Edison Esq

Dear Sir

Mr R. L. Cutting is at Saratoga and will be down to-morrow, Mr R L Cutting Jr is in Europe, and Mr Banker we do not know if he will be here or not

Your Truly

Robt R. Knox

with R L Cutting Jr & Co

Office of the

Edison Telephone Company of Europe, Limited.

65 Fifth Avenue, New York, Sept. 14.
1883.

T. A. Edison, Esq.

City.

Dear Sir:-

Under an agreement executed sometime since between this Company and the Consolidated Telephone Construction & Maintenance Company, Limited (of London, England) and the Edison-Gower-Bell Telephone Company of Europe, Limited (of London, England), this Company is entitled to some part of 175,000 shares (£1 each fully paid) of the capital of the Edison-Gower-Bell Telephone Company of Europe, Limited. Colonel C. E. Gouraud, of London, England, and his associates being entitled to the other part.

Colonel Gouraud is now here, and will be returning shortly to England, and it is important that a division of the above shares be agreed upon before he leaves. This matter has been standing open for nearly a year and much dissatisfaction has been expressed in London at the delay, as it appears to be impossible to get a meeting of the Board of this Company before Colonel Gouraud leaves.

I therefore enclose for your approval and signature, an authority for me to act in the matter.

Colonel Gouraud proposes an equal division of the said shares as being in his view inevitable, and it is my opinion that I shall have to meet his views, although I shall endeavor to secure a somewhat larger share for this Company.

Under another agreement between this Company and Colonel

Gouraud he is entitled to 200 shares of the unissued capital of this Company. He proposes instead to take, in shares of the Edison-Gower-Bell Telephone Company of Europe, Limited, that portion, namely, 1/5, which 200 shares of the Company would receive if the shares of the Edison-Gower-Bell Telephone Company were distributed as a dividend.

Very truly yours,

Thos A Edison

President.

1883-09-14

Office of the

Edison Telephone Company of Europe, Limited.

New York, Sept. 14th. 1883.

T. A. Edison, Esq. Prest.

Edison Telephone Company of Europe, Limited,

City.

Dear Sir:-

Referring to your letter of the 11th. September, I hereby authorize you to settle with Colonel Gouraud, on the best terms possible, as to the division of the shares (175,000, £1 each fully paid) of the Edison-Gower-Bell Telephone Company of Europe, Limited, and also to authorize a transfer to Colonel Gourad of £5 of such said shares as may be agreed upon coming to the Edison Telephone Company of Europe, Limited.

Very truly yours,

1883-09-18

Office of the

Edison Telephone Company of Europe, Limited.

65 Fifth Avenue, New York Sept. 18th. 1883.

T. A. Edison Esq. Prest.

Edison Telephone Co. of Europe, Limited,

65 Fifth, Ave. City.

Dear Sir:-

Referring to your letter of the 18th. September, I hereby authorize you to settle with Colonel Couraud, on the best terms possible, as to the division of the shares (175,000, £1 each fully paid) of the Edison-Gower-Bell Telephone Company of Europe, Limited, and also to authorize a transfer to Colonel Couraud of 1/5 of such said shares as may be agreed upon coming to the Edison Telephone Company of Europe, Limited.

Very truly yours,

Thos A Edison

Form 35.

Subject: .....

ANSON STAGER, President.
JOHN M. CLARK, Vice Pres. and Treas.
D. H. LOUDERBACK, Secretary.
GEO. A. BLISS, Gen'l Sup't.
P. D. JOHNSTON, Engineer.

IN REPLY TO YOURS OF

RECEIVED SEP 25 1883

Western Edison Light Co.

51 & 53 WABASH AVE.

FILE NO. ..... 188..

DIRECTORS:
THOMAS A. EDISON.
ANSON STAGER.
JNO. D. DRAKE.
J. W. DOANE.
SAMUEL MERRILL.
NORMAN WILLIAMS.
EDSON KEITH.
JOHN M. CLARK.
JOHN CRERAR.
ANTHONY F. SEEBERGER.
Z. G. SIMMONS.

Chicago, Sept. 19 1883

Samie Insull Esq.

Dear Sir;

Did you ever deliver that Telephone stock to the Western Electric Co. on the personal contract between Mr. Edison & myself.?

You will remember the conversation with Mr. Edison & myself when he promised to have it done.

Please reply and oblige.

Yours

Geo. A. Bliss

Oct 25 29/83
A Swaney
re carbon buttons

1883-10-29

What answer from Bell Co

Menlo Park Thu 29/10 1883

T. A. Edison Esq

Dear Sir!

I will make those 1500 Carbon Buttons for You. But i have not got the Material to do so bikoes the lamps is al going and i have not got anny Carofin Oil or Cotton or Boxes for packing. i got the mould and Press the Press was lost used for Pressing Carbons for Lampfaktory. but i can get it alrigth in a couple of Hours — and so far as the Cost of making them i could not tell but i think i will not break any boody down —

P.S. with the Charges -
I told Josh Randolph that he
might send the Money and
i will by the Messsery thing
for making them it is (Lamps
12.) (Chimneys 36.) Radiant=
Oil Fier Prof.) 7. Gallons) one Bundl
of. Wadding for packing) and Boxes
30. 1. if it is Satisfaction Pleas
and let me know Soon

Yours verry Reskfully

A. Swanson

Form No. 1.

1883-10-31

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY		CHECK
402	JN		11 PK	

Received at 852 BROADWAY. 11/31 1888.

Dated Washn Dec 31

To T Edison

Leo = 5 PM

Mr Stannard will call on you thursday pm or friday am

C J Bell

This telegram has just been received at the office in 852 BROADWAY, just below Fourteenth Street, where any reply should be sent.

DIRECT WIRES.

1883-11-30

COPY.

Subject, Blake Transmitter.

The American Bell Telephone Co.

95 Milk Street,

Boston, November 30th. 1883.

In reply to your 28th. inst.

Thomas A. Edison, Esq.

65 Fifth Avenue, New York City.

Dear Sir:-

Replying to your favor under date of the 28th. inst. we desire to advise you that the Blake Transmitter which you want we shall take pleasure in sending to you to-morrow, and would say that all the instruments we make of this style now are stamped like the one we send you, and if desire you can use this letter in evidence of the same.

Yours truly,

(Signed) Theo. N. Vail, Gen'l. Mgr.

No. 321.
Transfer of Shares or Stock.

Wm. DAWSON & SONS, Stationers, Printers, Lithographers, &c., 121, CANNON STREET, E.C.

Stock forwarded to the Company's Office by

Coupon for £

We George Edward Gouraud, John Franklin Bailey & Theodore Phokas,

in consideration of the sum of* five Shillings

paid by

The Edison Telephone Company of Europe Limited,

hereinafter called the said Transferee,

Do hereby bargain, sell, assign, and transfer to the said Transferee,

Seventy-two thousand Shares, (72000)

of and in the undertaking called the Edison Gower Bell Telephone Company of Europe Limited,

To hold unto the said Transferee, its Executors, Administrators and Assigns, subject to the several conditions on which if held the same immediately before the execution hereof; and the said Transferee, does hereby agree to accept and take the said 72000 Shares, subject to the conditions aforesaid.

As Witness our Hands and Seals, this Fifth day of December in the Year of our Lord One thousand eight hundred and eighty three.

Signed, sealed, and delivered, by the above-named G. E. Gouraud in the presence of

Witness's Signature, L. Rodgers.
Witness's Address, 34 Walbrook. E.C.
Witness's Occupation, Secretary.

Signed, sealed, and delivered, by the above-named

in the presence of F. Drill

Witness's Signature, British Vice-Consul
Witness's Address, Budapest, December
Witness's Occupation, 29, 1883

Signed, sealed, and delivered, by the above-named J. F. Bailey in the presence of

Witness's Signature, L. Rodgers.
Witness's Address, 34 Walbrook. E.C.
Witness's Occupation, Secretary.

Signed, sealed, and delivered, by the above-named The Edison Telephone Company of Europe (Limited)

in the presence of John C. Tomlinson

Witness's Signature,
Witness's Address, 140 Cannon Street
Witness's Occupation, Notary Public

Thomas A. Edison
President

attest
Secretary

* The Consideration-money set forth in a transfer may differ from that which the first Seller will receive, owing to sub-sales by the original Buyer; the Stamp Act requires that in such cases the Consideration-money paid by the Sub-purchaser, shall be the one inserted in the Deed, as regulating the *ad valorem* Duty; the following is the *Clause* in question:—
"Where a Person, having contracted for the purchase of any Property, but not having obtained a Conveyance thereof, contracts to sell the same to any other Person, and the property is, in consequence, conveyed immediately to the Sub-purchaser, the conveyance shall be charged with the ordinary Duty in respect of the consideration for the Sale by the original Purchaser to the Sub-purchaser."—
[33 & 34 Vict. (cap. 9770). Clause 74, Section 3, of the Schedule.]
When a Transfer is executed out of Great Britain, it is recommended that the Signatures be attested by H.M. Consul or Vice-Consul, a Clergyman, Magistrate, Notary Public, or by some other person holding a public position—as most Companies refuse to recognise Signatures not so attested.

1000/7/83.

1883-12-07

34 Walbrook Eec.

London. 7th December 1883.

T. A. Edison Esq.
65 Fifth Avenue.
New York.

Late-found the Italian Telephone patent
Edison

Dear Sir,

Referring to my letter to you dated 1st inst. so it is necessary to produce the Patent in question, viz: Edison's Italian Patent No. 9791, on our applying for its prolongation, I have to request that you will be good enough to forward this document to us at your earliest convenience, or kindly inform us who is the holder of the same in this Country. - Many of your Patents we have never seen, - nor do we know in whose hands they are.

Yours faithfully.

R. Rodgers.

Secy. pro tem.

EDISON GOWER-BELL TELEPHONE
COMPANY OF EUROPE, LIMITED.

1883-12-17

OFFICE OF
The United States Rolling Stock Company,
No. 210 LA SALLE STREET,

C. BENN,
TREASURER.

CHICAGO, ILL., Decr. 17 1883

Thos. A. Edison, Esq.
65 Fifth Avenue
New York.

Dear Sir,

Some time ago you wrote to our Mr Heyeivesk with regard to some shares of the Edison Telephone Co of Europe, standing in his name and which you were endeavoring to dispose of for him together with others belonging to yourself and the Messrs Cutting.

Will you be kind enough to inform Mr Heyeivesk either at this office or at his New York office, 35 Broadway, whether this matter is likely to come soon to an issue, or whether the negotiations looking towards the disposal of the whole issue of 1000 shares have been suspended for the time being. I write you at his request on the subject and shall be much obliged if you will kindly inform him how this matter now stands.

Yours very truly,
C. Benn

It has been suspended until Mr Lowrie's return which will be in January E

1883-12-17.

Menlo Park 17/12 1883

Joh F. Randolph Esq
65 fifth avenue New York

Dear Sir!
I have Oil and Lamps Enough to make two pound of Lose Prepärd Carbon if you would be so kind and ask Mr. Edison, bikors he spoke of such some thims a go for Experiment purpose

Please and not forget and let me now

Yours

Alfrid Swanson

1883-12-20

WINFIELD S. HUTCHINSON,
Counsellor at Law,
53 DEVONSHIRE STREET.
(ELEVATOR AT 47 DEVONSHIRE ST.)

BOSTON, 20, Dec., 1883.

T. A. Edison Esq.
Menlo Park, N. J.

Dear Sir:

Mr. José D. Husbands has written me, asking me to send you the enclosed powers of atty. for execution, and afterwards to forward them to him for use in South-America. It will be necessary, I suppose, to acknowledge them before a notary and also to have attached to each the certificate of the consul for the country which it covers resident in New York, that the notary is a notary whose acts are entitled to full faith & credit &c.

If you will do this and forward them to me at your earliest convenience you will greatly oblige Mr. Husbands and also,

Yr obt svt
Winfield S. Hutchinson

s of documents left blank — to be filled in.

Translation.

1883-12-20

Paris, 20th December 1883.

Mr. Thomas A. Edison
New York –

Sir,

I have the honor to confirm my this day's cable as follows:–
"Send to "Société Gle des Téléphones" 12 bottles carbons for Edison"
"Transmitter – answer promptly"

The carbons we are asking for are to be manufactured into Carbon discs for transmitter of yr. invention. –

As soon as received we will forward you a cheque for amount of invoice. –

Believe me Sir. &c –

1883-12-20

Société Générale des Téléphones

(Réseaux téléphoniques & Constructions électriques)

Société Anonyme au Capital de 25.000.000 de Francs

41, Rue Caumartin.

Paris, le 20 Décembre 1883

Transmis

Monsieur,

J'ai l'honneur de vous confirmer ma dépêche de ce jour ainsi conçue : « Envoyez Sté Gle des Téléphones douze bouteilles charbon pour transmetteurs Edison - Réponse urgente »

Les charbons que nous vous demandons sont destinés à la confection de pastilles pour transmetteurs de votre invention.

Aussitôt livraison nous nous empresserons de vous couvrir de son montant par un chèque.

Veuillez agréer, Monsieur, l'assurance de ma considération distinguée.

Le Directeur :
Le Secrétaire Général

N. [illegible]

Monsieur Edison,

65, Cinquième Avenue - New-York

1883-12-21

T. A. EDISON,
65 Fifth Avenue.

New York, December ~~21st,~~ 1883

E. H. Johnson, Esq.

care Bergmann & Co.

292 Avenue B, City.

Dear Sir:-

Referring to the attached cablegram, do you know anything about it, or who Larteque is?

We do not understand it here further than that the Generale Telephone Company of Paris appear to want some carbons for telephones, and do not know where to order them. You will notice that the literal translation of the message is "bottles of coal." Could not this word "bottles" have been mutilated, and originally been "buttons", and then the translation would be "carbon buttons."?

Mr Tate
The Laboratory
supplied these & we have
shipped them.
B. F. Cox

Very truly yours,

Enclosure.

T. A. EDISON,
65 Fifth Avenue.

1883-12-24

New York, December 24th. 1883

Messrs. Bergmann & Co.

292 Avenue B, City.

Dear Sirs:-

Referring to the attached Mr. Edison says that the translation of this cablegram is "bottles of carbon". He states that he always supplied the Parisian Company with carbon in bottles.

Very truly yours,

[signature]

Mr Edison

We send 25 Carbons they are made in Mr Edison's Laboratory & if any more should be sent, please direct Mr Ott or Mr Force to do so.

Yours truly
Bergmann & Co

D.
1883

Telephones
1883 - 12 - 27

Know all men by these presents that I, Thomas Alva Edison of Menlo Park in the State of New Jersey, United States of America, have made, constituted and appointed and by these Presents do make, constitute and appoint Senor Jose D. Husbands of Valparaiso, Chili South America, my true and lawful attorney for me and in my name to apply for Letters Patent in Ecuador, for any Invention of ——————

——— Improvements in Telephones ———

to prepare and present to the proper authorities whatever documents may be required for obtaining such Letters Patent or other concession, and to receive such document and to give receipt for the same hereby giving and granting unto my said attorney full power and authority to do and perform all and every act and thing whatsoever requisite and necessary to be done in applying for and obtaining such Patent only as fully to all intents and purposes as I might or could do if personally present and hereby ratifying the same in advance.——

In witness whereof I have hereunto set my hand and seal the 27th day of December in the year of our Lord One thousand eight hundred and eighty three. WHM

Sealed and delivered in the presence of.
Wm H. Meadowcroft

Thomas Alva Edison

United States of America
City, County and State of New York } ss:-

On this 27th day of December, A.D. 1883, before me

personally appeared Thomas Alva Edison, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged to me that he executed the same for the uses and purposes therein mentioned.

Wm H Meadowcroft
Notary public
New York County.

Consulado General del Ecuador
Nueva York Dec 28 del 1883

Certifico que la firma del Señor Wm. H. Meadowcroft que antecede es autentico i que dicho Señor es Notario Publico de esta ciudad i Condado en actual ejercicio de sus funciones i por tanto merece fé i credito

F. Spies

(1883)

378044 — patent 100
100
Expenses

329 030 — patent 100
25
Expenses

252 442 — patent 100
1.50
Expenses

266. 022. patent 100
1200.
Expenses

266 021. patent 100
400
Expenses

257 671 patent 100
150
Expenses

(1883)

221 957. patent 100
1500.
Expenses

337 250 — Cost me nothing

340 709. patent 100
50
Expenses

~~340 704~~

348 114. patent 100.
75
Expenses

238 098 — patent 100
300
Expenses

422 577. patent 100 —
Rail Co. paid expenses —

438 305 = patent 100
10.
Expenses

(1883)

273 714 =

Cost patent	100
Cost interference with Gray –	250
Cost Exp. mtg on – 273 714 + 282 287	600
	950

406 567 – 500 year on per contract.

340 708 } — solicit patents ~~Exp mtg~~ 300
347 097 } Expenses furnished Bell Co = 1800
438 304.

274 577 } — patents 900
274 576 } Expenses 500.
272 034

340 709 Respondent patents 100 } Expenses 1500
422 579 – 100
422 578 100

438 306. patent 100
Expenses 250

(1883)

Time of self & associates in various telephone interferences

$3500 –

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END

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18 June 1981

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A SELECTIVE MICROFILM EDITION

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(1879–1886)

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1987

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Centimeter

Inches